

# PLC-interface units, front adapters and prefabricated cables

## Catalogue 2014/2015

Let's connect.

PLC-system cabling





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# PLC-Interface Units, Front Adapter and Prefabricated Cables

## Catalogue 4.5

### PLC-Interface Units, Front Adapter and Prefabricated Cables

Universal solutions for PLC input/output cards

Specific solutions for PLC/DCS I/O cards

Interface and pre-assembled cables for general applications

Card holders

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Weidmüller Solutions & Service

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Addresses worldwide

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# PLC-Interface Units, Front Adapter and Prefabricated Cables

## RS IO

Page A.38



- Passive interfaces for digital input/outputs for PLCs
- Ribbon cable connection 20 pole 1-2-3 wires
- With LED, fuses, disconnecter
- Screw or tension clamp connection

## RS A

Page A.60



- Passive interfaces for analogue input/output for PLCs
- Connection connector SUB-D
- With disconnection by channel and test points
- Screw or tension clamp connection

## RSM

Page A.66



- Passive insulated digital inputs interfaces for PLCs
- Ribbon connection cable, plain, 20 pole
- Screw or tension clamp connection

## RSM

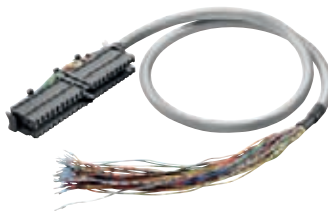
Page A.70



- Passive insulated interfaces for digital outputs for PLCs
- Ribbon connection cable, 20 pole
- With narrow 6 mm relay or standard RCL
- Screw or tension clamp connection

## PAC-UNIV

Page A.82



- Pre-assembled cables
- At one end has the PLC connector
- The other end has a wire-end ferrule

## FTA-C300

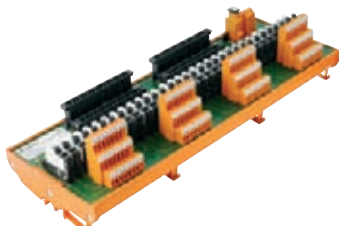
Page B.4



- Passive input/output interfaces for Honeywell C300
- Screw or tension clamp connection

## FTA-C300-RSLIM

Page B.10



- Passive insulated output interfaces for Honeywell C300
- Screw or tension clamp connection

## PAC-C300

Page B.11



- Pre-assembled cables for Honeywell C300

## FAD

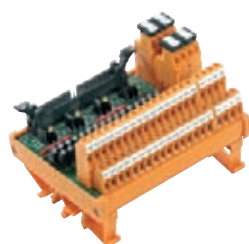
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- Front adapters for Siemens S7-300 and Control logix

### RSF- PLC

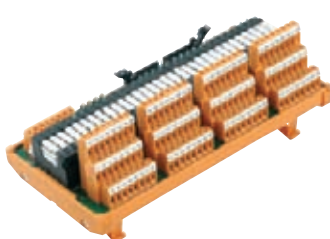
Page B.24



- Passive digital input/output interfaces for PLCs and FAD front adapters
- 1-2-3 wires
- With LED, fuses
- Screw or tension clamp connection

### RSM- PLC

Page B.30



- Passive insulated digital output interfaces for PLCs and FAD front adapters
- With narrow 6 mm relay or standard RCL
- Screw or tension clamp connection

### MICRO-INTERFACE

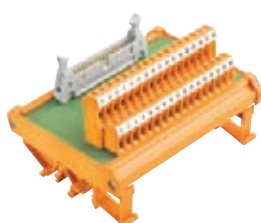
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- Adapter for connecting to MICROSERIES relays and converters
- Ribbon or SUB-D connector cable

### RS F

Page C.6



- Interface for ribbon cable in accordance with IEC 603-1/ DIN41651
- Connection 1:1
- 10 to 64 poles

### RS SD

Page C.8



- Interface for connector SUB-D in accordance with IEC 807-2/ DIN41652
- Connection 1:1
- 9 to 50 male or female poles

### RS RJ45

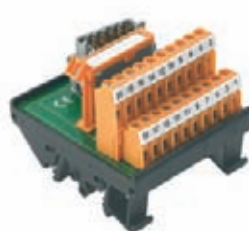
Page C.10



- Interfaces with RJ45 connector
- Connection 1:1

### RS ELCO

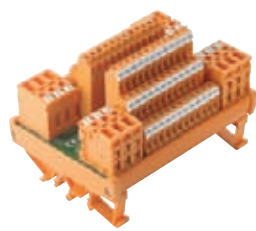
Page C.12



- Interface with ELCO plug-in connectors
- 20 to 90 poles
- Screw or tension clamp connection

### RS VERT

Page C.16



- Supply voltage distributor modules
- Connection 1:1
- 2 to 6 potentials

### RSD

Page C.19



- Interfaces with independent diodes or with anode or common cathode
- Screw connection

## PLC-Interface Units, Front Adapter and Prefabricated Cables

### PAC-UNIV-HE

Page C.20



- Pre-assembled cables with ribbon cable connector
- Wire-end ferrules or ribbon cable connector
- Connection 1:1

### PAC-UNIV-D

Page C.21



- Pre-assembled cables with SUB-D connector
- Wire-end ferrules or SUB-D connector
- Connection 1:1
- Shielded cable

### PAC-ELCO

Page C.23



- Pre-assembled cables with ELCO connector
- Wire-end ferrules or ELCO connector
- Connection 1:1
- Shielded cable

### SKH

Page D.4



- Card holders for adapting Euro format cards (19")
- Plug-in connectors acc. to IEC 603/DIN 41612 and DIN 41617

# Universal solutions for PLC input/output cards

|                                                       |                                                                           |                        |
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| <b>Universal solutions for PLC input/output cards</b> | Introduction                                                              | A.2                    |
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|                                                       | Emerson DeltaV                                                            | - Selection guide A.13 |
|                                                       | GeFanuc 90-30                                                             | - Selection guide A.14 |
|                                                       | GeFanuc RX3i                                                              | - Selection guide A.15 |
|                                                       | Honeywell C200                                                            | - Selection guide A.16 |
|                                                       | Mitsubishi MELSEC Q                                                       | - Selection guide A.17 |
|                                                       | Moeller XIOC                                                              | - Selection guide A.18 |
|                                                       | Omron C200H                                                               | - Selection guide A.19 |
|                                                       | Omron CJ1W                                                                | - Selection guide A.20 |
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|                                                       | PAC-UNIV universal pre-assembled cables with wire-end ferrules            | A.82                   |

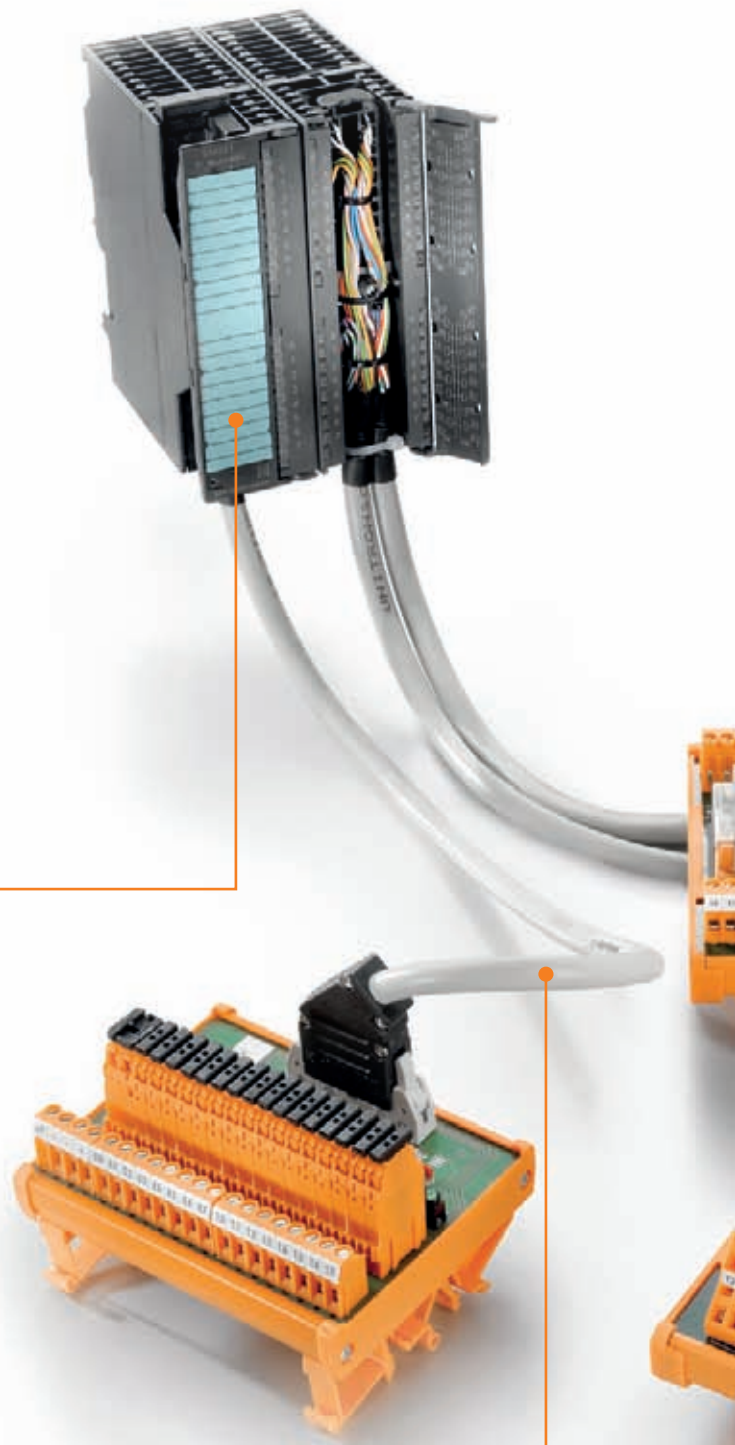
# Universal solutions for PLC input/output cards

Aimed at reducing costs, and to save space and time in the construction of electrical cabinets, the universal cabling system for PLCs is provided as an effective alternative to end-to-end cabling design. Weidmüller offers a wide range of pre-assembled cables and interfaces to major PLC manufacturers:

- The interfaces are used as an interconnection element between the control and the process, and are supplied with tension clamp or screw connection. Those interfaces, with a compact design, provide different functions such as LEDs, fuses, disconnectors or relays.
- The pre-assembled cables are supplied with the manufacturer's own connector at one end and are available in different lengths.

## Universal system

The system is designed to be compatible with all main commercial PLCs: ABB, Emerson, Fanuc, Honeywell, Mitsubishi, Omron, Rockwell, Schneider, Siemens, ...



## Guaranteed connection

The original factory connector is on one end of the PLC and standard connectors are on the other end: ribbon cable with fixing housing for digital signals and SUB-D connector for analogue signals. Available in different lengths.



## Simple system configuration

Selection tables are available in this catalogue to assist you in choosing the right products for your application. In addition, there is also an automatic software selection guide on the website.

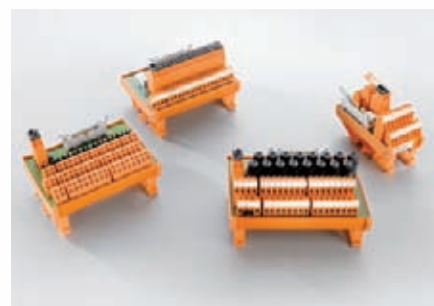
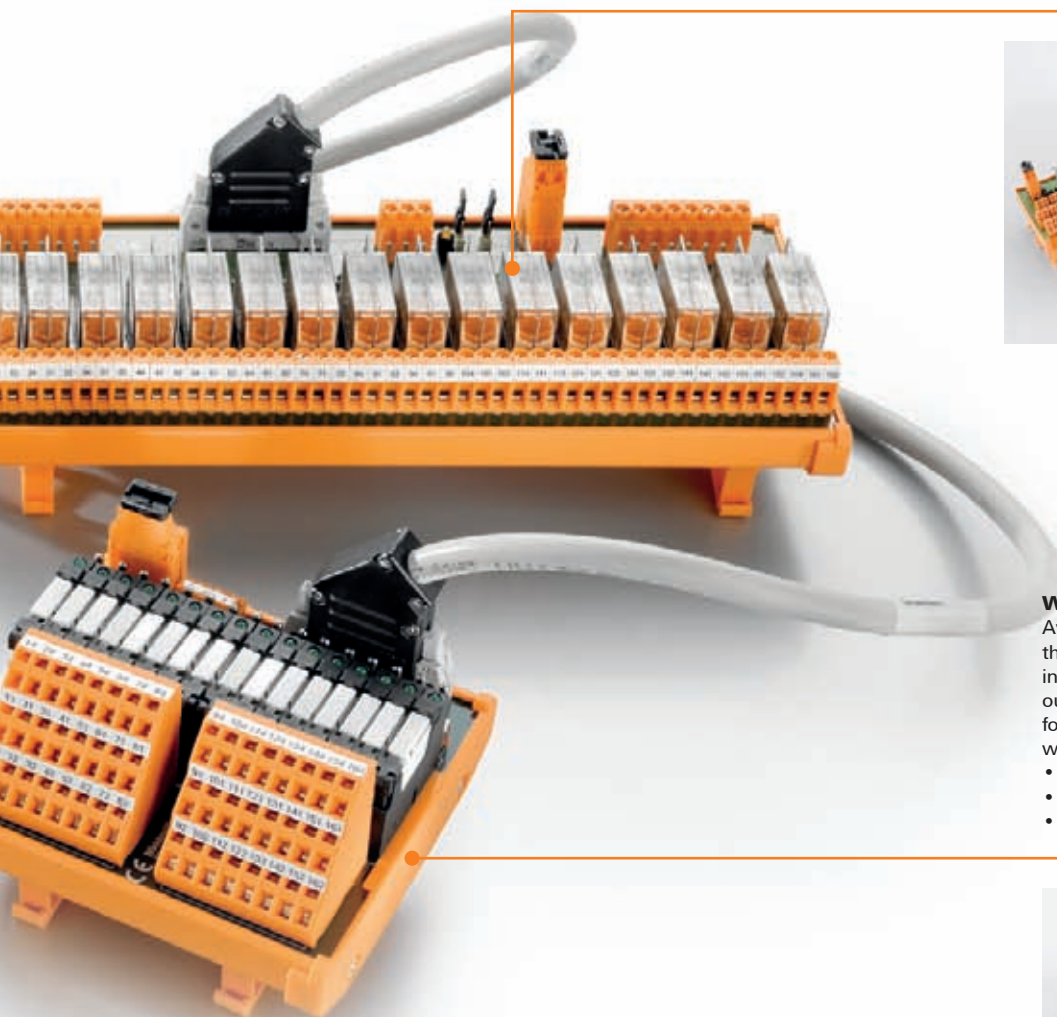
### PLC SIEMENS – S7-300/ET- 200M

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## Wide range of passive interfaces

The range includes passive input/output interfaces for digital and analogue signals. The interfaces are available in screw or tension clamp connection and the sensors/actuators can be connected with 1, 2 or 3 wires, whichever is needed. You can also choose from a large variety of functions:

- LED indication
- Fuse
- Circuit Breaker
- Test leads



### Wide range of relay insulated interfaces

Available in versions with 8-12 and 16 relays, the RSM family offers the possibility of insulating digital signals both in input and output cards. Options include our compact format (6 mm relays) or standard (RCL relay), with additional features including:

- Switch in coil and contact
- Fuse in contact
- 1 or 2 CO contacts



## Universal solutions for PLC input/output cards

The increasing complexity of machinery and facilities in the industry means that attention is being drawn to the resulting rise in the costs of wiring. Traditional end-to-end cabling between the PLC and the field components has many drawbacks:

- High assembly costs: Time-consuming routing and assembly of connecting leads.
- The risk of wiring mistakes increases in proportion with the number of individual wires at one end.
- Individual wires occupy a considerable amount of space in the cabinet.
- High installation and implementation time.
- High labelling and documentation workload

Weidmüller offers a complete line of pre-assembled cables, together with a range of compact interfaces, to connect with the main commercial PLCs:

- ABB S88
- Emerson Delta V
- Ge Fanuc 90-30 and RX3i
- Honeywell C200
- Mitsubishi Melsec
- Omron C200, CJ1 and CQM1
- Rockwell Compact Logix , Control Logix, Micro Logix and SLC500
- Schneider Micro, Premium, Twido, Quantum, M340 and M258
- Siemens S7-200, S7-300, S7-400 and S7-1200

### PLC interface

The range includes passive input/output interfaces for digital and analogue signals and relay boards to insulate the input and output signals. These modules accept all common commercial connectors and are available for screw or tension clamp connection.

The Weidmüller universal interfaces for the PLC have the following individual components:

- Extruded profile for inserting the PCB
- Clip-on feet for locking on standardised mounting rails TS 32 and TS 35
- Printed circuit board where the following elements can be identified
  - Plug-in connectors to the PLC (Ribbon cable, RSV or SUB-D)
  - Weidmüller terminals for screw or tension clamp connection
  - Electronic or mechanical components offering additional functions: LED, relays, fuses...

These interfaces are universal: the same interface can be used by different PLCs from different manufacturers. Pre-assembled cables are responsible for adequately communicating the PLC with its field components.

### Digital input/output interfaces (H System)

The digital input/output interfaces have been designed using a ribbon cable connector suitable for the majority of signals coming from the PLC. In addition, the pre-assembled cables are designed using a cross-section of 0.25 mm<sup>2</sup> and have a cover that guarantees complete and safe fastening with the interface connector.



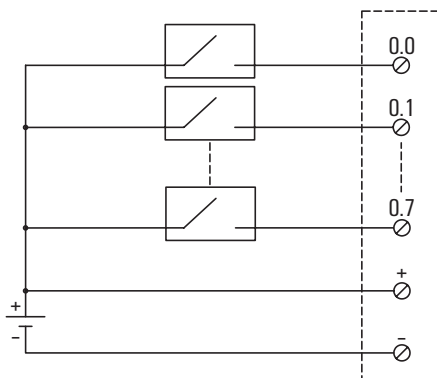
The range has been designed for 4, 8, 12, 16 and 32 signals in tension clamp or screw connection and you can choose additional functions including:

- LED
- Fusible
- Interruptor

Additionally, sensors/actuators can be connected using 1-, 2-, or 3-wire techniques; this way, the space that is usually needed for connecting the common power supply points, which are normally connected via additional terminals, is not required.

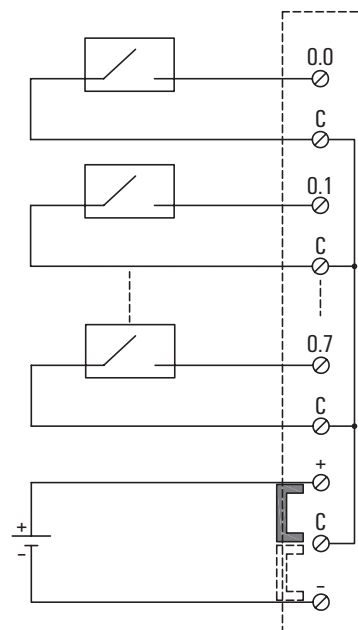
#### 1-wire system:

In field components, one of the wires is connected to the interface while the other is connected to a common power supply point (for example a terminal block).



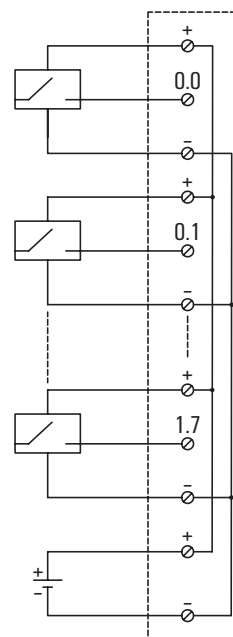
#### 2-wire system:

The 2 wires of the field element are connected to the interface with power bus in one of them.



#### 3-wire system:

The interface is designed for 3 wire field components, with one for positive, one for negative and one for the signal that is sent to the PLC.



# Universal solutions for PLC input/output cards

## Digital input/output interfaces for high voltage (R System)

The digital signals used by PLCs are usually 24V DC or a maximum of 48 V DC. Nevertheless, a few cards also work at higher voltages, up to 230 V AC. For these voltages, the insulation distance between channels has to be increased up to values that the ribbon cable connector is not able provide. In this case, interfaces supplied with RSV connectors have been included in the range.



## Insulated digital input/output interfaces

The insulated digital input/output interfaces are used, when necessary, to isolate the PLC signal from the field signal, normally when adapting voltages between the field components and the PLC operational voltage.

The current provided by the PLC is not high enough for the different field components in the output cards. In this case, the relay acts like an amplifier and offers enough power to connect the different elements, such as, for example, electro valves.

The RSM family, available in 8, 12, and 16 relay versions connects to the PLC with a ribbon cable and is available in compact form (6 mm relays) or standard (RCL relay) and includes additional features such as:

- Switch in coil and contact
- Fuse in contact
- 1 or 2 CO contacts

In addition, the relays also can be replaced by the Weidmüller opto modules.

## Analogue input/output interfaces (S System)

The analogue input/output interfaces have been designed using a shielded SUB-D connector, ideal for avoid interferences in the transmission of analogue signals. The pre-assembled cables are also supplied with shielded cable.



## Pre-assembled cables

The connection using pre-assembled cables drastically reduces the connection work between the PLC and the field components.



Table of colour codes according to DIN 47.100

| N° | Colour       | N° | Colour       | N° | Colour             |
|----|--------------|----|--------------|----|--------------------|
| 1  | White        | 22 | Brown/Blue   | 43 | Blue/Black         |
| 2  | Brown        | 23 | White/Red    | 44 | Red/Black          |
| 3  | Green        | 24 | Brown/Red    | 45 | White/Brown/Black  |
| 4  | Yellow       | 25 | White/Black  | 46 | Yellow/Green/Black |
| 5  | Grey         | 26 | Brown/Black  | 47 | Grey/Pink/Black    |
| 6  | Pink         | 27 | Grey/Green   | 48 | Blue/Red/Black     |
| 7  | Blue         | 28 | Yellow/Grey  | 49 | White/Green/Black  |
| 8  | Red          | 29 | Pink/Green   | 50 | Green/Brown/Black  |
| 9  | Black        | 30 | Yellow/Pink  | 51 | White/Yellow/Black |
| 10 | Violet       | 31 | Green/Blue   | 52 | Yellow/Brown/Black |
| 11 | Grey/Pink    | 32 | Yellow/Blue  | 53 | White/Grey/Black   |
| 12 | Red/Blue     | 33 | Green/Red    | 54 | Grey/Brown/Black   |
| 13 | White/Green  | 34 | Yellow/Red   | 55 | White/Pink/Black   |
| 14 | Brown/Green  | 35 | Green/Black  | 56 | Pink/Brown/Black   |
| 15 | White/Yellow | 36 | Yellow/Black | 57 | White/Blue/Black   |
| 16 | Yellow/Brown | 37 | Grey/Blue    | 58 | Brown/Blue/Black   |
| 17 | White/Grey   | 38 | Pink/Blue    | 59 | White/Red/Black    |
| 18 | Grey/Brown   | 39 | Grey/Red     | 60 | Brown/Red/Black    |
| 19 | White/Pink   | 40 | Pink/Red     | 61 | Black/White        |
| 20 | Pink/Brown   | 41 | Grey/Black   |    |                    |
| 21 | White/Blue   | 42 | Pink/Black   |    |                    |

Each pre-assembled cable has the following features:

- PLC connector: The original connector of the manufacturer is used.
- Interface Connector: 3 types of connectors are used according to the interface they connect to.
  - Ribbon cable connectors - which are supplied with a hood to protect them from cable extraction forces and ensure secure and reliable connection.
  - Very sturdy RSV connectors that allow working with high voltages of up to 230 V.
  - SUB-D connectors, where the wire screening for analogue signals is connected directly to the metallic body of the connector to minimise the effect of electromagnetic interferences.
- Cable: A multipole 0.25 mm<sup>2</sup> cross-section wire is used. This is also shielded for analogue signal cables. Each of the individual wires is identified by means of a colour code according to DIN 47.100.

## Tables and automatic selection guides:

To help you choose the right products for your application, Weidmüller offers a catalogue with a selection of tables which can be found on the following pages.

In addition, on our website, we have an automatic selection guide, using intuitive software that can help you to choose the appropriate interface cable for your Input/Output cards. This can be found at [www.weidmueller.com](http://www.weidmueller.com)

# Universal solutions for PLC input/output cards

## Advantages of the system:

The combination of pre-assembled cables and the interfaces allows the final connecting system to be:

- **Safe**
  - It excludes the risk of errors in cabling
- **Fast**

The use of pre-assembled cables means there are real savings in time:

  - during design, thanks to the selection guides.
  - during assembly.
  - during startup.
  - in the detection/resolution of problems.
- **Reliable**
  - no cabling errors,
  - clean cabling in cabinet  
(multi-pole cables instead of single cables)
- **Flexible**
  - a multitude of input/output interfaces
  - variable cable lengths,
  - expansions can be made without any problem.
  - flexibility thanks to the simplicity of interchanging and diverse input/output interfaces.
  - easy migration to another system, simply by changing the pre-assembled cable.
- **Small-space reduction**
  - more space in the cable ducts,
  - narrow modules,
  - no terminal block



# PLC interface selection tables

## Selection guide

## PLC SIEMENS – S7-300/ET- 200M

| PLC     | Input/Output cards |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|---------|--------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|         |                    |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|         |                    |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|         | Manufacturer code  | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| S7-300  | 6ES7321-1BH00-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BH01-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BH02-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BH50-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BH80-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BH81-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BH82-0AA0 | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|         | 6ES7321-1BL00-0AA0 | 32 DI                               | 7789236xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|         | 6ES7321-1BL80-0AA0 | 32 DI                               | 7789236xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|         | 6ES7321-1BP00-0AA0 | 64 DI, positive logic               | 7789771xxx | 2        | H2016                             | 4        | I2016             | 4        |                   |          |
| ET-200M | 6ES7321-1CH20-0AA0 | 64 DI, negative logic <sup>A)</sup> | 7789768xxx | 2        | H2016                             | 4        |                   |          |                   |          |
|         | 6ES7321-1CH20-0AA0 | 16 DI                               | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789212xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789212xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789215xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|         |                    |                                     | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |

Selection guide

### RS IO – Selection guide for passive interfaces for digital signals

| Number of channels | Type | Type of wiring | Features   |                           |                | Order No.  | Interface       | Page |
|--------------------|------|----------------|------------|---------------------------|----------------|------------|-----------------|------|
|                    |      |                | Connection | Terminal clamp connection | LED by channel |            |                 |      |
| 2 channel          | H    | 2-wire         | [A]        | [B]                       | [C]            | 9445300000 | RS 100 2W L H S | A.60 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W H S   | A.61 |
|                    |      |                |            |                           |                | 9445300000 | RS 120 2W L H S | A.62 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 1W L H S | A.63 |
|                    |      |                |            |                           |                | 1311700000 | RS 100 1W H Z   | A.63 |
|                    |      |                |            |                           |                | 1311700000 | RS 100 1W L H Z | A.63 |
|                    |      |                |            |                           |                | 9445810000 | RS 100 1W L H S | A.64 |
|                    |      |                |            |                           |                | 1311700000 | RS 100 1W L H Z | A.64 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 9445700000 | RS 100 2W L H S | A.65 |
| 16 channel         | H    | 2-wire         | [A]        | [B]                       | [C]            | 1311800000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 1311800000 | RS 100 2W L H Z | A.65 |
| 32 channel         | H    | 2-wire         | [A]        | [B]                       | [C]            | 9445300000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H Z | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H S | A.65 |
|                    |      |                |            |                           |                | 9445300000 | RS 100 2W L H Z | A.65 |

The selection tables help you to choose the pre-assembled cables and interfaces.

### 1 Select the PLC card from the corresponding table

#### Example:

- PLC: Siemens S7-300
- Card: 6ES7321-1BH82-0AA0

### 2 Check the code of the cable to be ordered:

#### Example:

- Cable code 7789234xxx
- Quantity: 1 unit (by card)

The last 3 digits indicate the length:  
For example 015 indicates 1.5 m

### 3 Locate the exact family of modules and the quantity you require

Example:

- H2016 System Quantity: 1 unit (by card)
- or**
- I2016 System Quantity: 1 unit (by card)

Take the notes into account (if there are any)

The portfolio includes:

#### Passive digital input/output interfaces (H System)

H20: Universal interface for pin to pin 20 pole ribbon cable (see chapter C)

H2008: Passive input/output 8-channel digital interface

H2012: Passive input/output 12-channel digital interface

H2016: Passive input/output 16-channel digital interface

H2032: Passive input/output 32-channel digital interface

H40: Universal interface for pin to pin 40 pole ribbon cable (see chapter C)

#### Passive digital input/output interfaces for high voltage (R System)

R1208: Passive input/output 8-channel digital interface (for high voltage)

R2416: Passive input/output 16-channel digital interface (for high voltage)

R3632: Passive input/output 32-channel digital interface (for high voltage)

#### Passive analogue output/input interfaces (S System)

A15: Universal interface for pin to pin SUB-D 15 male poles (see catalogue C)

A25: Universal interface for pin to pin SUB-D 25 male poles (see catalogue C)

A1504: Passive input/output 4-channel analogue interface

A2508: Passive input/output 8-channel analogue interface

A3716: Passive input/output 16-channel analogue interface

A1504M: Passive input/output 4-channel analogue interface (specific)

A2508P: Passive input/output 8-channel analogue interface (specific)

A2509M: Passive input/output 8+1-channel analogue interface (specific)

### Relay insulated digital output/input interfaces

O2008: 8-channel insulated digital output interface

O2012: 12-channel insulated digital output interface

O2016: 16-channel insulated digital output interface

I2016: 16-channel insulated digital input interface

### 4 Note the page number that is shown in the top part of the column

Example:

- H2016 System -> See page A.38

**or**

- I2016 System -> See page A.66

**5** Once the module family is chosen (step 3 - eg H2016), go to the page identified in step 4 and locate that family in the new table on that page.

**6** Choose the interface according to your application needs ie. 1, 2 or 3 wires, screw or tension clamp connection, with fuse, LED, switch, etc.

**7** Go to the specifications page where you can check all the details of the interface.

# PLC ABB S800

A

|                                                                                                                                                                                                                                                                                                                                              | PLC                   |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                                                                                                                                                              | Input/Output cards    |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                                                                                                                                                              |                       |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                                                                                                                                                              | Manufacturer code     | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                                                                                                                                                           | DI810                 | 16 DI                   | 7789641xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | DI811                 | 16 DI                   | 7789642xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | DI814 <sup>A)</sup>   | 16 DI                   | 7789641xxx | 1        | H0216                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | DI830                 | 16 DI                   | 7789641xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | DI831                 | 16 DI                   | 7789642xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | DI840                 | 16 DI                   | 7789641xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | DI880                 | 16 DI                   | 7789641xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
| DO                                                                                                                                                                                                                                                                                                                                           | DO810                 | 16 DO                   | 7789641xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                              | DO814 <sup>B)</sup>   | 16 DO                   | 7789641xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                              | DO815                 | 16 DO                   | 7789643xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                              | DO840                 | 16 DO                   | 7789641xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                              | DO880                 | 16 DO                   | 7789641xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
| AI                                                                                                                                                                                                                                                                                                                                           | AI810 <sup>C)</sup>   | 8 AI                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AI820 <sup>C)</sup>   | 4 AI                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AI830 <sup>C)</sup>   | 8 AI                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AI830A <sup>C)</sup>  | 8 AI                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AI845 <sup>C)</sup>   | 8 AI                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
| AO                                                                                                                                                                                                                                                                                                                                           | AO810 <sup>C)</sup>   | 8 AO                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AO810V2 <sup>C)</sup> | 8 AO                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AO820 <sup>C)</sup>   | 4 AO                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                              | AO845 <sup>C)</sup>   | 8 AO                    | 7789657xxx | 1        | A25                               | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs<br>B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option<br>C) Attention! Only use these interfaces: 8537370000 or 8005181001. More information in chapter C |                       |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
  - The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
  - Use with 812TU MTU
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC EMERSON DELTA V

|                                                            | PLC                        |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------|----------------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                            | Input/Output cards         |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                            |                            |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                            | Manufacturer code          | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                         | VE4001S2T1B1 <sup>A)</sup> | 8 DI                    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4001S2T1B2 <sup>A)</sup> | 8 DI                    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4001S2T1B3 <sup>A)</sup> | 8 DI                    | 7789701xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4001S2T2B1 <sup>A)</sup> | 8 DI                    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4001S2T2B2 <sup>A)</sup> | 8 DI                    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4001S2T2B3 <sup>A)</sup> | 8 DI                    | 7789701xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4001S2T2B4 <sup>A)</sup> | 32 DI                   | 7789100xxx | 2        | H2016                             | 2        |                   |          |                   |          |
|                                                            | VE4001S2T2B5 <sup>A)</sup> | 32 DI                   | 7789702xxx | 2        | H2016                             | 2        |                   |          |                   |          |
|                                                            | VE4001S3T1B1               | 8 DI                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | VE4001S3T1B2               | 8 DI                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| DO                                                         | VE4001S3T2B1               | 8 DI                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | VE4001S3T2B2               | 8 DI                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T1B1 <sup>A)</sup> | 8 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T1B2 <sup>A)</sup> | 8 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T1B3 <sup>A)</sup> | 8 DO                    | 7789701xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T2B1 <sup>A)</sup> | 8 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T2B2 <sup>A)</sup> | 8 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T2B3 <sup>A)</sup> | 8 DO                    | 7789700xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T2B4 <sup>A)</sup> | 8 DO                    | 7789703xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | VE4002S1T2B5 <sup>A)</sup> | 32 DO                   | 7789100xxx | 2        | H2016                             | 2        |                   |          |                   |          |
| AI                                                         | VE4002S1T2B6 <sup>A)</sup> | 32 DO                   | 7789702xxx | 2        | H2016                             | 2        |                   |          |                   |          |
|                                                            | VE4002S2T1B2               | 8 DO                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | VE4002S2T2B1               | 8 DO                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | VE4002S2T2B2               | 8 DO                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | VE4003S2B1                 | 8 AI                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | VE4003S2B2                 | 8 AI                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | VE4003S2B3                 | 8 AI                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | VE4003S2B4                 | 8 AI                    | 7789704xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | VE4003S2B6                 | 16 AI                   | 7789254xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|                                                            | VE4003S3B3                 | 8 AI                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                         | VE4003S3B4                 | 8 AI                    | 7789704xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | VE4003S6B1                 | 8 AI                    | 7789254xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|                                                            | VE4005S2B1                 | 8 AO                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                         | VE4005S2B2                 | 8 AO                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | VE4005S2B3                 | 8 AO                    | 7789704xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs |                            |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC GEFANUC 90-30

|                                                                                                                                                                                 | PLC                   |                                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                 | Input/Output cards    |                                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                 |                       |                                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                 | Manufacturer code     | Numero/Type canales                     | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                              | IC693MDL230           | 8 DI                                    | 7789064xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL231           | 8 DI                                    | 7789064xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL240           | 16 DI                                   | 7789061xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL241           | 16 DI, positive logic                   | 7789067xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | IC693MDL630           | 8 DI                                    | 7789067xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL632           | 8 DI, positive logic                    | 7789634xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL634           | 8 DI, positive logic                    | 7789067xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL640           | 16 DI                                   | 7789067xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL643           | 16 DI                                   | 7789067xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL645           | 16 DI, positive logic                   | 7789067xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | IC693MDL646           | 16 DI, positive logic                   | 7789067xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | IC693MDL654           | 32 DI, positive logic                   | 7789066xxx | 2        | H2016                             | 2        | I2016             | 2        |                   |          |
| IC693MDL655                                                                                                                                                                     | 32 DI, positive logic | 7789066xxx                              | 2          | H2016    | 2                                 | I2016    | 2                 |          |                   |          |
| DO                                                                                                                                                                              | IC693MDL310           | 12 DO                                   | 7789063xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL340           | 16 DO                                   | 7789063xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693MDL730           | 8 DO                                    | 7789069xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                                                                                                                                                 | IC693MDL731 A)        | 8 DO                                    | 7789069xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | IC693MDL732           | 8 DO                                    | 7789068xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                                                                                                                                                 | IC693MDL733 A)        | 8 DO                                    | 7789068xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | IC693MDL740           | 16 DO                                   | 7789068xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | IC693MDL741 A)        | 16 DO                                   | 7789068xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | IC693MDL742           | 16 DO                                   | 7789068xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | IC693MDL752 A)        | 32 DO                                   | 7789066xxx | 2        | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                                                                                                                                                 | IC693MDL753           | 32 DO                                   | 7789066xxx | 2        | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                                                                                                                                                 | IC693MDL930           | 8 DO                                    | 7789064xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| AI                                                                                                                                                                              | IC693ALG220           | 4 AI, voltage differential applications | 7789076xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693ALG221           | 4 AI, current applications              | 7789075xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693ALG222           | 16 AI or 8 AI                           | 7789072xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693ALG223           | 16 AI                                   | 7789072xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                                                                                                                                              | IC693ALG390           | 4 AO                                    | 7789073xxx |          | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693ALG391           | 4 AO                                    | 7789073xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693ALG392           | 8 AO, current applications              | 7789620xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | IC693ALG392           | 8 AO, voltage applications              | 7789624xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO                                                                                                                                                                           | IC693ALG442           | 4 AI<br>2 AO                            | 7789074xxx | 1        | A3716                             | 1        |                   |          |                   |          |
| Note A) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option |                       |                                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC GEFANUC RX3i

|       | PLC                |                                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|--------------------|-----------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards |                                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                    |                                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code  | Number/Type of channels                 | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | IC694MDL230        | 8 DI                                    | 7789064xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL231        | 8 DI                                    | 7789064xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL240        | 16 DI                                   | 7789061xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL241        | 16 DI, positive logic                   | 7789067xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | IC694MDL250        | 16 DI                                   | 7789631xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | IC694MDL260        | 32 DI                                   | 7789632xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | IC694MDL632        | 8 DI, positive logic                    | 7789634xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | IC694MDL634        | 8 DI, positive logic                    | 7789067xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       | IC694MDL645        | 16 DI, positive logic                   | 7789067xxx | 1        | H2008                             | 1        | I2016             | 1        |                   |          |
|       | IC694MDL646        | 16 DI, positive logic                   | 7789067xxx | 1        | H2008                             | 1        | I2016             | 1        |                   |          |
|       | IC694MDL654        | 32 DI, positive logic                   | 7789066xxx | 2        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | IC694MDL655        | 32 DI, positive logic                   | 7789066xxx | 2        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | IC694MDL660        | 32 DI                                   | 7789619xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
| DO    | IC694MDL310        | 12 DO                                   | 7789063xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL330        | 8 DO                                    | 7789634xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | IC694MDL340        | 16 DO                                   | 7789063xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL350        | 16 DO                                   | 7789631xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | IC694MDL390        | 5 DO                                    | 7789636xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL732        | 8 DO                                    | 7789068xxx | 1        | H2008                             | 1        |                   |          | O2016             | 1        |
|       | IC694MDL734        | 6 DO                                    | 7789669xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL740        | 16 DO                                   | 7789068xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | IC694MDL741 A)     | 16 DO                                   | 7789068xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | IC694MDL742        | 16 DO                                   | 7789068xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | IC694MDL752 A)     | 32 DO                                   | 7789066xxx | 2        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | IC694MDL753        | 32 DO                                   | 7789066xxx | 2        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | IC694MDL754        | 32 DO                                   | 7789618xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | IC694MDL916        | 16 DO                                   | 7789696xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | IC694MDL930        | 8 DO                                    | 7789064xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IC694MDL931        | 8 DO                                    | 7789665xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | IC694MDL940        | 16 DO                                   | 7789666xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| AI    | IC694ALG220        | 4 AI, voltage differential applications | 7789076xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | IC694ALG221        | 4 AI, voltage differential applications | 7789075xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | IC694ALG222        | 16 AI                                   | 7789072xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | IC694ALG223        | 16 AI                                   | 7789072xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | IC695ALG600        | 8AI, resistance applications            | 7789622xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | IC695ALG600        | 8AI, voltage or current applications    | 7789623xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | IC695ALG608        | 8AI, common applications                | 7789667xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       |                    | 16 AI, differential applications        |            |          |                                   |          |                   |          |                   |          |
| AO    | IC695ALG616        | 8 AI, differential applications         | 7789626xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | IC695ALG616        | 16 AI, common mode applications         | 7789798xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | IC694ALG390        | 2 AO                                    | 7789073xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | IC694ALG391        | 2 AO                                    | 7789073xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | IC694ALG392        | 8 AO, current applications              | 7789620xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | IC694ALG392        | 8 AO, voltage applications              | 7789624xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | IC695ALG704        | 4 AO                                    | 7789668xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | IC695ALG708        | 8 AO                                    | 7789625xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AI/AO | IC695ALG808        | 8 AO                                    | 7789621xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | IC694ALG442        | 4 AI<br>2 AO                            | 7789074xxx | 1        | A3716                             | 1        |                   |          |                   |          |

**Note** A) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC HONEYWELL C200

|                                                                                                                                                                                                                                          | PLC                   |                              | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                                                          | Input/Output cards    |                              | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                                                          |                       |                              |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                                                          | Manufacturer code     | Number/Type of channels      | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                                                       | TC-IDA161 / TK-IDA161 | 16 DI                        | 7789031xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IDD321 / TK-IDD321 | 32 DI                        | 7789041xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                                                                                                                                                                                                          | TC-IDJ161 / TK-IDJ161 | 16 DI                        | 7789049xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                          | TC-IDK161 / TK-IDK161 | 16 DI                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IDW161 / TK-IDW161 | 16 DI                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IDX081 / TK-IDX081 | 8 DI                         | 7789048xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IDX161 / TK-IDX161 | 16 DI                        | 7789049xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
| DO                                                                                                                                                                                                                                       | TC-ODA161 / TK-ODA161 | 16 DO                        | 7789056xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-ODD321 / TK-ODD321 | 32 DO                        | 7789042xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                          | TC-ODJ161 / TK-ODJ161 | 16 DO                        | 7789059xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                          | TC-ODK161 / TK-ODK161 | 16 DO                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-ODX081 / TK-ODX081 | 8 DO                         | 7789057xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-ODX161 / TK-ODX161 | 16 DO                        | 7789040xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                          | TC-ORC081 / TK-ORC081 | 8 DO                         | 7789155xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-ORC161 / TK-ORC161 | 16 DO                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
| AI                                                                                                                                                                                                                                       | TC-IAH061 / TK-IAH061 | 6 AI, current applications   | 7789156xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IAH061 / TK-IAH061 | 6 AI, voltage applications   | 7789157xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IAH161 / TK-IAH161 | 16 AI                        | 7789032xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-IXR061 / TK-IXR061 | 6 AI, resistances 0 to 550 Ω | 7789158xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                                                                                                                                                                                                       | TC-OAH061 / TK-OAH061 | 6 AO                         | 7789159xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-OAV061 / TK-OAV061 | 6 AO                         | 7789157xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-OAV081 / TK-OAV081 | 8 AO, current applications   | 7789037xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | TC-OAV081 / TK-OAV081 | 8 AO, voltage applications   | 7789038xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs<br>B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option |                       |                              |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC MITSUBISHI MELSEC Q

|                                                                                                                                                                                                                                                                                                                                                                                                                                | PLC                    |                            | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Input/Output cards     |                            | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                            |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Manufacturer code      | Number/Type of channels    | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                                                                                                                                                                                                                                             | QX10                   | 16 DI                      | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX28                   | 8 DI                       | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX40 <sup>A)</sup>     | 16 DI                      | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX40-S1 <sup>A)</sup>  | 16 DI                      | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX41 <sup>A)</sup>     | 32 DI                      | 7789681xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX41-S1 <sup>A)</sup>  | 32 DI                      | 7789681xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX42 <sup>A)</sup>     | 64 DI                      | 7789681xxx | 2        | H2016                             | 4        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX42-S1 <sup>A)</sup>  | 64 DI                      | 7789681xxx | 2        | H2016                             | 4        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX50                   | 16 DI                      | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX70 <sup>A)</sup>     | 16 DI                      | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX71 <sup>A)</sup>     | 32 DI                      | 7789681xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX72 <sup>A)</sup>     | 64 DI                      | 7789681xxx | 2        | H2016                             | 4        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX80                   | 16 DI                      | 7789100xxx | 1        | H2016                             | 1        | I2016             |          | 1                 |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX82                   | 64 DI                      | 7789683xxx | 2        | H2016                             | 4        | I2016             |          | 4                 |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX82-S1                | 64 DI                      | 7789683xxx | 2        | H2016                             | 4        | I2016             |          | 4                 |          |
| DO                                                                                                                                                                                                                                                                                                                                                                                                                             | QY10                   | 16 DO                      | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY18A                  | 8 DO                       | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY22                   | 16 DO                      | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY40P <sup>B)</sup>    | 16 DO                      | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY41P <sup>B)</sup>    | 32 DO                      | 7789708xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY42P <sup>B)</sup>    | 64 DO                      | 7789708xxx | 2        | H2016                             | 4        |                   |          | O2016             | 4        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY50 <sup>B)</sup>     | 16 DO                      | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY68A                  | 8 DO                       | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY70 <sup>B)</sup>     | 16 DO                      | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QY71 <sup>B)</sup>     | 32 DO                      | 7789708xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
| DI/DO                                                                                                                                                                                                                                                                                                                                                                                                                          | QY80                   | 16 DO                      | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QH42P <sup>C)</sup>    | 32 DI                      | 7789681xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | 32 DO                      | 7789708xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX41Y41P <sup>C)</sup> | 32 DI                      | 7789681xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | 32 DO                      | 7789708xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | QX48Y57 <sup>C)</sup>  | 8 DI                       | 7789100xxx | 2        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | 7 DO                       |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
| AI                                                                                                                                                                                                                                                                                                                                                                                                                             | Q62AD-DGH              | 2 AI                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q64AD                  | 4 AI                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q64AD-GH               | 4 AI                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68AD-G                | 8 AI, current applications | 7789684xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68AD-G                | 8 AI, voltage applications | 7789685xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68ADI                 | 8 AI                       | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68ADV                 | 8 AI                       | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                                                                                                                                                                                                                                                                                                                                                                                             | Q62DA                  | 2 AO                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q62DA-FG               | 2AO                        | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q62DAN                 | 2 AO                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q64DA                  | 4 AO                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q64DAN                 | 4 AO                       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q66DA-G                | 6 AO, current applications | 7789710xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q66DA-G                | 6 AO, voltage applications | 7789711xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68DAI                 | 8 AO                       | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68DAIN                | 8 AO                       | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68DAV                 | 8 AO                       | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | Q68DAVN                | 8 AO                       | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs<br>B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option<br>C) Attention! Use only interfaces without LEDs for the direct options. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated outlet option |                        |                            |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC MOELLER XIOC

|       | PLC                                                                                                         |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|-------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards                                                                                          |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                                                                                                             |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code                                                                                           | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | XIOC-16DI                                                                                                   | 16 DI, positive logic               | 7789862xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       |                                                                                                             | 16 DI, negative logic <sup>A)</sup> | 7789863xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | XIOC-16DI-AC                                                                                                | 16 DI                               | 7789864xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | XIOC-16DI-AC110                                                                                             | 16 DI                               | 7789864xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | XIOC-32DI                                                                                                   | 32 DI, positive logic               | 7789771xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       |                                                                                                             | 32 DI, negative logic <sup>A)</sup> | 7789768xxx | 1        | H2016                             | 2        |                   |          |                   |          |
| DO    | XIOC-8DI                                                                                                    | 8 DI, positive logic                | 7789862xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                                                                                             | 8 DI, negative logic <sup>A)</sup>  | 7789863xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | XIOC-12DO-R <sup>B)</sup>                                                                                   | 12 DO                               | 7789871xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | XIOC-16DO                                                                                                   | 16 DO                               | 7789865xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | XIOC-16DO-S                                                                                                 | 16 DO                               | 7789865xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | XIOC-32DO                                                                                                   | 32 DO                               | 7789866xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
| DI/DO | XIOC-8DO                                                                                                    | 8 DO                                | 7789865xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|       | XIOC-16DX                                                                                                   | 16 DI                               | 7789872xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | 16 DO                                                                                                       |                                     |            |          |                                   |          |                   |          |                   |          |
| AI    | XIOC-8AI-I2                                                                                                 | 8 AI                                | 7789867xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | XIOC-8AI-U1                                                                                                 | 8 AI                                | 7789867xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | XIOC-8AI-U2                                                                                                 | 8 AI                                | 7789867xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO    | XIOC-2AO-U1-2AO-I2                                                                                          | 4 AO                                | 7789868xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | XIOC-2AO-U2                                                                                                 | 2 AO                                | 7789868xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | XIOC-4AO-U1                                                                                                 | 4 AO                                | 7789868xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | XIOC-4AO-U2                                                                                                 | 4 AO                                | 7789868xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO | XIOC-2AI-1AO-U1                                                                                             | 2 AI                                | 7789870xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       |                                                                                                             | 2 AO                                |            |          |                                   |          |                   |          |                   |          |
|       | XIOC-2AI-1AO-U1-I1                                                                                          | 2 AI                                | 7789870xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       |                                                                                                             | 2 AO                                |            |          |                                   |          |                   |          |                   |          |
|       | XIOC-4AI-2AO-U1                                                                                             | 4 AI                                | 7789869xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       |                                                                                                             | 2 AO                                |            |          |                                   |          |                   |          |                   |          |
|       | XIOC-4AI-2AO-U1-I1                                                                                          | 4 AI                                | 7789869xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       |                                                                                                             | 2 AO                                |            |          |                                   |          |                   |          |                   |          |
| Note  | A) Attention! Only use interfaces without LEDs<br>B) The 24 V DC power supply should be provided externally |                                     |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC OMRON – C200H

|    | PLC                 |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|----|---------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|    | Input/Output cards  |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|    |                     |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|    | Manufacturer code   | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI | IA121               | 8 DI                                | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | IA122               | 16 DI                               | 7789104xxx | 1        | R2416                             |          |                   |          |                   |          |
|    | IA122V              | 16 DI                               | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | IA222V              | 16 DI                               | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | ID001 <sup>A)</sup> | 8 DI                                | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|    | ID002               | 8 DI                                | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|    | ID211               | 8 DI, positive logic                | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|    |                     | 8 DI, negative logic <sup>A)</sup>  | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|    | ID212               | 16 DI, positive logic               | 7789100xxx | 1        | H2016                             | 1        | I2016             |          | 1                 |          |
|    |                     | 16 DI, negative logic <sup>A)</sup> | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|    | ID216               | 32 DI, positive logic               | 7789771xxx | 1        | H2016                             | 2        | I2016             |          | 2                 |          |
|    |                     | 32 DI, negative logic <sup>A)</sup> | 7789768xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|    | ID217               | 64 DI, positive logic               | 7789771xxx | 2        | H2016                             | 4        | I2016             |          | 4                 |          |
|    |                     | 64 DI, negative logic <sup>A)</sup> | 7789768xxx | 2        | H2016                             | 4        |                   |          |                   |          |
| DO | IM211               | 8 DI, 24 V DC applications          | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|    | IM212 <sup>A)</sup> | 16 DI, 24 V DC applications         | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|    | OA221               | 8 DO                                | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | OA222V              | 12 DO                               | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | OC221               | 8 DO                                | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | OC222V              | 12 DO                               | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | OC223               | 5 DO                                | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | OC224V              | 8 DO                                | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | OC225               | 16 DO                               | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | OD211 <sup>B)</sup> | 16 DO                               | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | OD212 <sup>B)</sup> | 16 DO                               | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | OD213 <sup>B)</sup> | 8 DO                                | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | OD214               | 8 DO                                | 7789100xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|    | OD217               | 12 DO                               | 7789100xxx | 1        | H2012                             | 1        |                   |          | O2012             | 1        |
|    | OD411 <sup>B)</sup> | 8 DO                                | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |

**Note**

A) Attention! Only use interfaces without LEDs

B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC OMRON – CJ1W

|       | PLC                 |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|---------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards  |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                     |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code   | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | IA111               | 16 DI                               | 7789664xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | IA201               | 8 DI                                | 7789648xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | ID211               | 16 DI, positive logic               | 7789645xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | ID231               | 16 DI, negative logic <sup>A)</sup> | 7789833xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | ID231               | 32 DI, positive logic               | 7789771xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | ID231               | 32 DI, negative logic <sup>A)</sup> | 7789768xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|       | ID232               | 32 DI, positive logic               | 7789772xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | ID232               | 32 DI, negative logic <sup>A)</sup> | 7789767xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|       | ID261               | 64 DI, positive logic               | 7789771xxx | 2        | H2016                             | 4        | I2016             | 4        |                   |          |
|       | ID261               | 64 DI, negative logic <sup>A)</sup> | 7789768xxx | 2        | H2016                             | 4        |                   |          |                   |          |
| DO    | ID262               | 64 DI, positive logic               | 7789772xxx | 2        | H2016                             | 4        | I2016             | 4        |                   |          |
|       | ID262               | 64 DI, negative logic <sup>A)</sup> | 7789767xxx | 2        | H2016                             | 4        |                   |          |                   |          |
|       | OA201               | 8 DO                                | 7789648xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | OC201               | 8 DO                                | 7789649xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | OC211               | 16 DO                               | 7789664xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | OD201 <sup>B)</sup> | 8 DO                                | 7789650xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | OD202               | 8 DO                                | 7789650xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|       | OD211 <sup>B)</sup> | 16 DO                               | 7789794xxx | 1        | H2016                             | 1        |                   |          | O2016             | 2        |
|       | OD212               | 16 DO                               | 7789794xxx | 1        | H2016                             | 1        |                   |          | O2016             | 2        |
|       | OD231 <sup>B)</sup> | 32 DO                               | 7789793xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | OD232               | 32 DO                               | 7789373xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | OD233 <sup>B)</sup> | 32 DO                               | 7789373xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | OD261 <sup>B)</sup> | 64 DO                               | 7789793xxx | 2        | H2016                             | 4        |                   |          | O2016             | 4        |
|       | OD262               | 64 DO                               | 7789373xxx | 2        | H2016                             | 4        |                   |          | O2016             | 4        |
|       | OD263 <sup>B)</sup> | 64 DO                               | 7789373xxx | 2        | H2016                             | 4        |                   |          | O2016             | 4        |
| DI/DO | MD232               | 16 DI, positive logic               | 7789328xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | MD232               | 16 DO                               | 7789329xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | MD232 <sup>C)</sup> | 16 DI, negative logic               | 7789329xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       |                     | 16 DO                               | 7789329xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |

## Note

A) Attention! Only use interfaces without LEDs  
 B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option  
 C) Attention! Use only interfaces without LEDs for the direct input option

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC OMRON – CQM1

|                                                                                                                                                                                                                                          | PLC                 |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                                                          | Input/Output cards  |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                                                          |                     |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                                                          | Manufacturer code   | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                                                       | IA121               | 8 DI                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | IA221               | 8 DI                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | ID211 <sup>A)</sup> | 8 DI, positive logic    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | ID211 <sup>A)</sup> | 8 DI, negative logic    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | ID212               | 16 DI, positive logic   | 7789100xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                          | ID213               | 32 DI, positive logic   | 7789771xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                                                                                                                                                                                                          | ID213 <sup>A)</sup> | 32 DI, negative logic   | 7789768xxx | 1        | H2016                             | 2        |                   |          |                   |          |
| DO                                                                                                                                                                                                                                       | OA221               | 8 DO                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | OC221               | 8 DO                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | OC222               | 16 DO                   | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | OD211 <sup>B)</sup> | 8 DO                    | 7789663xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                          | OD212 <sup>B)</sup> | 16 DO                   | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                          | OD213 <sup>B)</sup> | 32 DO                   | 7789793xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|                                                                                                                                                                                                                                          | OD214               | 16 DO                   | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
| AI                                                                                                                                                                                                                                       | AD041               | 4 AI                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                                                                                                                                                                                                       | DA021               | 2 AO                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs<br>B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option |                     |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC ROCKWELL – COMPACT LOGIX

|                                                            | PLC                     |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------|-------------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                            | Input/Output cards      |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                            |                         |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                            | Manufacturer code       | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                         | 1769-IA16               | 16 DI                               | 7789025xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | 1769-IA8I               | 8 DI                                | 7789016xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | 1769-IM12               | 12 DI                               | 7789025xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | 1769-IQ16               | 16 DI, positive logic               | 7789770xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                            |                         | 16 DI, negative logic <sup>A)</sup> | 7789831xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | 1769-IQ16F              | 16 DI, positive logic               | 7789770xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                            |                         | 16 DI, negative logic <sup>A)</sup> | 7789831xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | 1769-IQ32               | 32 DI, positive logic               | 7789770xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                            |                         |                                     | 7789695xxx | 1        |                                   |          |                   |          |                   |          |
|                                                            | 1769-IQ32 <sup>A)</sup> | 32 DI, negative logic               | 7789831xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|                                                            |                         |                                     | 7789832xxx | 1        |                                   |          |                   |          |                   |          |
| DO                                                         | 1769-0A16               | 16 DO                               | 7789024xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            |                         | 8 DO                                | 7789017xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | 1769-0B16               | 16 DO                               | 7789769xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                            | 1769-0B16P              | 16 DO                               | 7789769xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                            | 1769-0B32               | 32 DO                               | 7789769xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                            |                         |                                     | 7789697xxx | 1        |                                   |          |                   |          |                   |          |
|                                                            | 1769-0B32T              | 32 DO                               | 7789006xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                            | 1769-0B8                | 8 DO                                | 7789015xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                            | 1769-0V16               | 16 DO                               | 7789769xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                            | 1769-0W16               | 16 DO                               | 7789024xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | 1769-0W8                | 8 DO                                | 7789017xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | 1769-0W8I               | 8 DO                                | 7789016xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| AI                                                         | 1769-IF4                | 4 AI, current applications          | 7789026xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | 1769-IF4                | 4 AI, voltage applications          | 7789046xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | 1769-IF4I               | 4 AI, current applications          | 7789027xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | 1769-IF4I               | 4 AI, voltage applications          | 7789047xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | 1769-IF8                | 8 AI, current applications          | 7789028xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                         | 1769-IF8                | 8 AI, voltage applications          | 7789045xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | 1769-OF2                | 2 AO                                | 7789029xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | 1769-OF4CI              | 4 AO                                | 7789043xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | 1769-OF8C               | 8 AO                                | 7789044xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | 1769-OF8V               | 8 AO                                | 7789044xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs |                         |                                     |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC ROCKWELL – CONTROL LOGIX

|    | PLC                |                              | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|----|--------------------|------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|    | Input/Output cards |                              | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|    |                    |                              |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|    | Manufacturer code  | Number/Type of channels      | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI | 1756-IA16          | 16 DI                        | 7789031xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | 1756-IA16I         | 16 DI                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|    | 1756-IA8D          | 8 DI                         | 7789048xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | 1756-IB16          | 16 DI                        | 7789039xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|    | 1756-IB16D         | 16 DI                        | 7789049xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|    | 1756-IB16I         | 16 DI                        | 7789049xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|    | 1756-IB32          | 32 DI                        | 7789041xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|    | 1756-IC16          | 16 DI                        | 7789031xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | 1756-IH16I         | 16 DI                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|    | 1756-IM16I         | 16 DI                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
| DO | 1756-IN16          | 16 DI                        | 7789031xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|    | 1756-OA16          | 16 DO                        | 7789056xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|    | 1756-OA16I         | 16 DO                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|    | 1756-OA8           | 8 DO                         | 7789057xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | 1756-OA8D          | 8 DO                         | 7789048xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | 1756-OA8E          | 8 DO                         | 7789048xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | 1756-OB16D         | 16 DO                        | 7789040xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | 1756-OB16E         | 16 DO                        | 7789058xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | 1756-OB16I         | 16 DO                        | 7789059xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | 1756-OB32          | 32 DO                        | 7789042xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|    | 1756-OB8           | 8 DO                         | 7789151xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|    | 1756-OB8EI         | 8 DO                         | 7789152xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|    | 1756-OC8           | 8 DO                         | 7789153xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | 1756-OH8I          | 8 DO                         | 7789154xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|    | 1756-ON8           | 8 DO                         | 7789057xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|    | 1756-OV16E         | 16 DO                        | 7789058xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|    | 1756-OW16I         | 16 DO                        | 7789030xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|    | 1756-OX8I          | 8 DO                         | 7789155xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| AI | 1756-IF16          | 16 AI                        | 7789032xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|    | 1756-IF6I          | 6 AI, current applications   | 7789156xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-IF6I          | 6 AI, voltage applications   | 7789157xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-IF8           | 8 AI, current applications   | 7789035xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-IF8           | 8 AI, voltage applications   | 7789036xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO | 1756-IR6I          | 6 AI                         | 7789158xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-OF4           | 4 AO, current applications   | 7789033xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|    | 1756-OF4           | 4 AO, voltage applications   | 7789034xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|    | 1756-OF6CI         | 6 AO, resistances 0 to 550 Ω | 7789159xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-OF6VI         | 6 AO                         | 7789157xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-OF8           | 8 AO, current applications   | 7789037xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|    | 1756-OF8           | 8 AO, voltage applications   | 7789038xxx | 1        | A2508                             | 1        |                   |          |                   |          |

Note

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmuller.com](http://www.weidmuller.com) where you will always find the most up-to-date information.

# PLC ROCKWELL MICRO LOGIX 1400

|       | PLC                                                                                                                                                                                                                                                                                                                              |                                 | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards                                                                                                                                                                                                                                                                                                               |                                 | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                                                                                                                                                                                                                                                                                                                                  |                                 |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code                                                                                                                                                                                                                                                                                                                | Number/Type of channels         | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | 1762-IA8                                                                                                                                                                                                                                                                                                                         | 16 DI                           | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 1762-IQ16                                                                                                                                                                                                                                                                                                                        | 16 DI                           | 7789100xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 1762-IQ32T                                                                                                                                                                                                                                                                                                                       | 16 DI, positive logic           | 7789005xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       |                                                                                                                                                                                                                                                                                                                                  | 16 DI, negative logic           | 7789670xxx | 1        | H2016                             | 2        |                   |          |                   |          |
|       | 1762-IQ8                                                                                                                                                                                                                                                                                                                         | 8 DI                            | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
| DO    | 1762-OA8                                                                                                                                                                                                                                                                                                                         | 8 DO                            | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 1762-OB16                                                                                                                                                                                                                                                                                                                        | 16 DO                           | 7789100xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|       | 1762-OB32T                                                                                                                                                                                                                                                                                                                       | 32 DO                           | 7789006xxx | 1        | H2016                             | 2        |                   |          | O2032             | 2        |
|       | 1762-OB8                                                                                                                                                                                                                                                                                                                         | 8 DO                            | 7789100xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|       | 1762-OV32T <sup>A)</sup>                                                                                                                                                                                                                                                                                                         | 32 DO                           | 7789006xxx | 1        | H2016                             | 2        |                   |          | O2016             | 2        |
|       | 1762-OW16                                                                                                                                                                                                                                                                                                                        | 16 DO                           | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 1762-OW8                                                                                                                                                                                                                                                                                                                         | 8 DO                            | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 1762-OX6I                                                                                                                                                                                                                                                                                                                        | 6 DO                            | 7789106xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       |                                                                                                                                                                                                                                                                                                                                  |                                 |            |          |                                   |          |                   |          |                   |          |
| DI/DO | 1762-IQ80W6                                                                                                                                                                                                                                                                                                                      | 8 DI, positive logic            | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                                                                                                                                                                                                                                                                                                                  | 6 DO                            | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 1762-IQ80W6 <sup>B)</sup>                                                                                                                                                                                                                                                                                                        | 8 DI, negative logic            | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       |                                                                                                                                                                                                                                                                                                                                  | 6 DO                            | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
| AI    | 1762-IF4                                                                                                                                                                                                                                                                                                                         | 4 AI                            | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 1762-IR4                                                                                                                                                                                                                                                                                                                         | 4 AI, 2-wire applications       | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 1762-IR4 <sup>C)</sup>                                                                                                                                                                                                                                                                                                           | 4 AI, 3 and 4-wire applications | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO    | 1762-OF4                                                                                                                                                                                                                                                                                                                         | 4 AO                            | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO | 1762-IF20F2                                                                                                                                                                                                                                                                                                                      | 2 AI                            | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       |                                                                                                                                                                                                                                                                                                                                  | 2 AO                            |            |          |                                   |          |                   |          |                   |          |
| Note  | A) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option<br>B) Attention! Use only interfaces without LEDs for the direct input option<br>C) Attention! Only use Interfaces without insulators and test points |                                 |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC ROCKWELL – SLC 500

|                                                                                                                                                                                 | PLC                |                             | Cables     |            | Interfaces                        |          |                   |          |                   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|------------|------------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                 | Input/Output cards |                             | Standard   |            | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                 |                    |                             |            |            | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                 | Manufacturer code  | Number/Type of channels     | Order No.  | Quantity   | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                              | 1746-IB16          | 16 DI                       | 7789001xxx | 1          | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | 1746-IB32          | 32 DI                       | 7789005xxx | 1          | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                                                                                                                                                 | 1746-IB8           | 8 DI                        | 7789100xxx | 1          | H2008                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-IC16          | 16 DI                       | 7789001xxx | 1          | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | 1746-IN16          | 16 DI, DC applications      | 7789001xxx | 1          | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | 1746-ITB16         | 16 DI                       | 7789001xxx | 1          | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | 1746-ITV16         | 16 DI                       | 7789000xxx | 1          | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | 1746-IV16          | 16 DI                       | 7789000xxx | 1          | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                 | 1746-IV32 A)       | 32 DI                       | 7789670xxx | 1          | H2016                             | 2        |                   |          |                   |          |
| 1746-IV8 A)                                                                                                                                                                     | 8 DI               | 7789100xxx                  | 1          | H2016      | 1                                 |          |                   |          |                   |          |
| DO                                                                                                                                                                              | 1746-0A16          | 16 DO                       | 7789728xxx | 1          | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-0B16          | 16 DO                       | 7789003xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0B16E         | 16 DO                       | 7789003xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0B32          | 32 DO                       | 7789006xxx | 1          | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                                                                                                                                                 | 1746-0B32E         | 32 DO                       | 7789006xxx | 1          | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                                                                                                                                                 | 1746-0B8           | 8 DO                        | 7789100xxx | 1          | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                                                                                                                                                 | 1746-0BP16         | 16 DO                       | 7789003xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0BP8          | 8 DO                        | 7789100xxx | 1          | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                                                                                                                                                 | 1746-0G16 A)       | 16 DO                       | 7789003xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0V16 A)       | 16 DO                       | 7789003xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0V32 A)       | 32 DO                       | 7789006xxx | 1          | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                                                                                                                                                 | 1746-0V8 A)        | 8 DO                        | 7789100xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0VP16 A)      | 16 DO                       | 7789003xxx | 1          | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                 | 1746-0W16          | 16 DO, 24 V DC applications | 7789002xxx | 1          | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-0W4           | 4 DO                        | 7789108xxx | 1          | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-0W8           | 8 DO                        | 7789108xxx | 1          | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-0X8           | 8 DO                        | 7789104xxx | 1          | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | AI                 | 1746-NI4                    | 4 AI       | 7789008xxx | 1                                 | A1504    | 1                 |          |                   |          |
| 1746-NI8                                                                                                                                                                        |                    | 8 AI                        | 7789011xxx | 1          | A2508                             | 1        |                   |          |                   |          |
| AO                                                                                                                                                                              | 1746-NO4I          | 4 AO                        | 7789010xxx |            | A2508                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-NO4V          | 4 AO                        | 7789010xxx | 1          | A2508                             | 1        |                   |          |                   |          |
| AI/AO                                                                                                                                                                           | 1746-NI04I         | 2 AI                        | 7789009xxx | 1          | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 |                    | 2 AO                        |            |            |                                   |          |                   |          |                   |          |
|                                                                                                                                                                                 | 1746-NI04V         | 2 AI                        | 7789009xxx | 1          | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                 |                    | 2 AO                        |            |            |                                   |          |                   |          |                   |          |
| Note A) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option |                    |                             |            |            |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC SCHNEIDER – M258

|                                                                                                                                                                                                    | PLC                     |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                    | Input/Output cards      |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                    |                         |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                    | Manufacturer code       | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                 | TM5SDI12D               | 12 DI                   | 7789840xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDI2D <sup>A)</sup>  | 2 DI                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDI4A                | 4 DI                    | 7789854xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDI4D <sup>A)</sup>  | 4 DI                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDI6A                | 6 DI                    | 7789855xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDI6D <sup>A)</sup>  | 6 DI                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
| DO                                                                                                                                                                                                 | TM5SDO12T               | 12 DO                   | 7789840xxx | 1        | H2012                             | 1        |                   |          | O2012             | 1        |
|                                                                                                                                                                                                    | TM5SDO2T <sup>A)</sup>  | 2 DO                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDO4R                | 4 DO                    | 7789858xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDO4T <sup>A)</sup>  | 4 DO                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDO4TA <sup>A)</sup> | 4 DO                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDO6T <sup>A)</sup>  | 6 DO                    | 7789100xxx | 1        | H20                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SDO8TA               | 8 DO                    | 7789857xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
| DI/DO                                                                                                                                                                                              | TM5SDM12DT              | 8 DI                    | 7789859xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    |                         | 4 DO                    |            |          | H2008                             | 1        |                   |          | O2008             | 1        |
| AI                                                                                                                                                                                                 | TM5SAI2H                | 2 AI                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAI2L                | 2 AI                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAI2PH <sup>B)</sup> | 2 AI                    | 7789841xxx | 1        | A15                               | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAI4H                | 4 AI                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAI4L                | 4 AI                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAI4PH <sup>B)</sup> | 4 AI                    | 7789841xxx | 1        | A15                               | 1        |                   |          |                   |          |
| AO                                                                                                                                                                                                 | TM5SAO2H                | 2 AO                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAO2L                | 2 AO                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAO4H                | 4 AO                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
|                                                                                                                                                                                                    | TM5SAO4L                | 4 AO                    | 7789841xxx | 1        | A1504M                            | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use these interfaces: 8537110000 or 0224261001. More information in chapter C<br>B) Attention! Only use these interfaces: 8233350000. More information in chapter C |                         |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC SCHNEIDER – M340

|                                                                                                                                                                                                                                          | PLC                        |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                                                          | Input/Output cards         |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                                                          |                            |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                                                          | Manufacturer code          | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                                                       | BMX DAI 1602               | 16 DI, negative logic <sup>A)</sup> | 7789630xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          |                            | 16 DI, positive logic               | 7789382xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DAI 1603               | 16 DI                               | 7789382xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DAI 1604               | 16 DI                               | 7789382xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DDI 1602               | 16 DI                               | 7789380xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                          | BMX DDI 1603               | 16 DI                               | 7789382xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DDI 3202 K             | 32 DI                               | 7789387xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
| DO                                                                                                                                                                                                                                       | BMX DDI 6402 K             | 64 DI                               | 7789387xxx | 2        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                                                                                                                                                                                                          | BMX DAO 1605               | 16 DO                               | 7789383xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DDO 1602               | 16 DO                               | 7789380xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                                                                          | BMX DDO 1612 <sup>B)</sup> | 16 DO                               | 7789380xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                                                                                                                                                                                                          | BMX DDO 3202 K             | 32 DO                               | 7789387xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                                                                                                                                                                                                          | BMX DDO 6402 K             | 64 DO                               | 7789387xxx | 2        | H2016                             | 4        |                   |          | 02016             | 4        |
|                                                                                                                                                                                                                                          | BMX DRA 0805               | 8 DO                                | 7789633xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| DI/DO                                                                                                                                                                                                                                    | BMX DRA 1605               | 16 DO                               | 7789384xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DDM 16022              | 8 DI                                | 7789386xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          |                            | 8 DO                                |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                                                                                                                                                                                                          | BMX DDM 16025              | 8 DI                                | 7789635xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          |                            | 8 DO                                |            |          | R1208                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX DDM 3202 K             | 16 DI                               | 7789387xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          |                            | 16 DO                               |            |          | H2016                             | 1        |                   |          | 02016             | 1        |
| AI                                                                                                                                                                                                                                       | BMX AMI 0410               | 4 AI, current applications          | 7789638xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX AMI 0410               | 4 AI, voltage applications          | 7789637xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX ART 0414               | 4 AI                                | 7789639xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX ART 0814               | 8 AI                                | 7789639xxx | 2        | A3716                             | 2        |                   |          |                   |          |
| AO                                                                                                                                                                                                                                       | BMX AMO 0210               | 2 AO                                | 7789640xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO                                                                                                                                                                                                                                    | BMX AMM 0600               | 4 AI + 2 AO, current applications   | 7789629xxx | 1        | A1504                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                          | BMX AMM 0600               | 4 AI + 2 AO, voltage applications   | 7789628xxx | 1        | A1504                             | 2        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs<br>B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option |                            |                                     |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
  - The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC SCHNEIDER – MICRO

|                                                            | PLC                        |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------|----------------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                            | Input/Output cards         |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                            |                            |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                            | Manufacturer code          | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                         | TSX DEZ 08A4               | 8 DI                    | 7789307xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | TSX DEZ 08A5               | 8 DI                    | 7789307xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | TSX DEZ 12D2 <sup>A)</sup> | 12 DI                   | 7789312xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            | TSX DEZ 12D2K              | 12 DI                   | 7789301xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|                                                            | TSX DEZ 32D2               | 32 DI                   | 7789314xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                            | TSX DSZ 32R5               | 32 DI                   | 7789330xxx | 1        | R3632                             | 1        |                   |          |                   |          |
| DO                                                         | TSX DSZ 32T2               | 32 DI                   | 7789314xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                            | TSX DSZ 04T22              | 4 DO                    | 7789312xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|                                                            | TSX DSZ 08R5               | 16 DO                   | 7789308xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSZ 08T2               | 8 DO                    | 7789312xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
| DI/DO                                                      | TSX DMZ 16DTK              | 8 DI                    | 7789834xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            |                            | 8 DO                    |            |          | H2008                             | 1        |                   |          | O2008             | 1        |
|                                                            | TSX DMZ 28AR               | 16 DI                   | 7789331xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            |                            | 12 DO                   |            |          | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DMZ 28DR               | 16 DI                   | 7789331xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            |                            | 12 DO                   |            |          | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DMZ 28DT               | 16 DI                   | 7789313xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            |                            | 12 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                            | TSX DMZ 28DTK              | 16 DI                   | 7789301xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                            |                            | 12 DO                   | 7789301xxx | 1        | H2012                             | 1        |                   |          | O2012             | 1        |
|                                                            | TSX DMZ 64DTK              | 32 DI                   | 7789301xxx | 2        | H2016                             | 2        |                   |          |                   |          |
|                                                            |                            | 32 DO                   | 7789301xxx | 2        | H2016                             | 2        |                   |          | O2016             | 2        |
| AI                                                         | TSX AEZ 414                | 4 AI                    | 7789309xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | TSX AEZ 801                | 8 AI                    | 7789311xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|                                                            | TSX AEZ 802                | 8 AI                    | 7789311xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO                                                         | TSX ASZ 200                | 2 AO                    | 7789310xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | TSX ASZ 401                | 4 AO                    | 7789310xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs |                            |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC SCHNEIDER – PREMIUM

|                                                            | PLC                |                                        | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------------------------------------------------------------|--------------------|----------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                            | Input/Output cards |                                        | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                            |                    |                                        |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                            | Manufacturer code  | Number/Type of channels                | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                         | TSX DEY 08D2       | 8 DI                                   | 7789322xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|                                                            | TSX DEY 16A2       | 16 DI                                  | 7789315xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DEY 16A3       | 16 DI                                  | 7789315xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DEY 16A4       | 16 DI                                  | 7789315xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DEY 16A5       | 16 DI                                  | 7789315xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DEY 16D2       | 16 DI                                  | 7789322xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                            | TSX DEY 16D3       | 16 DI                                  | 7789322xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                            | TSX DEY 16FK       | 16 DI                                  | 7789301xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                            | TSX DEY 32D2K      | 32 DI                                  | 7789301xxx | 2        | H2016                             | 2        | I2016             | 2        |                   |          |
| DO                                                         | TSX DEY 64D2K      | 64 DI                                  | 7789301xxx | 4        | H2016                             | 4        | I2016             | 4        |                   |          |
|                                                            | TSX DSY 08R4D      | 8 DO                                   | 7789316xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 08R5       | 8 DO                                   | 7789316xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 08R5A      | 8 DO                                   | 7789318xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 08S5       | 8 DO                                   | 7789316xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 08T2       | 8 DO                                   | 7789322xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|                                                            | TSX DSY 08T22      | 8 DO                                   | 7789317xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 08T31      | 8 DO                                   | 7789317xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 16R5       | 16 DO                                  | 7789316xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 16S4       | 16 DO                                  | 7789316xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 16T2       | 16 DO                                  | 7789322xxx | 2        | H2016                             | 1        |                   |          | 02016             | 1        |
|                                                            | TSX DSY 16T3 A)    | 16 DO                                  | 7789322xxx | 4        | H2016                             | 1        |                   |          |                   |          |
|                                                            | TSX DSY 32T2K      | 32 DO                                  | 7789301xxx | 2        | H2016                             | 2        |                   |          | 02016             | 2        |
|                                                            | TSX DSY 64T2K      | 64 DO                                  | 7789301xxx | 4        | H2016                             | 4        |                   |          | 02016             | 4        |
| AI                                                         | TSX AEY 1600       | 16 AI                                  | 7789259xxx | 2        | A2508P                            | 2        |                   |          |                   |          |
|                                                            | TSZ AEY 414        | 4 AI, resistances applications         | 7789319xxx | 1        | A2508P                            | 1        |                   |          |                   |          |
|                                                            | TSX AEY 414        | 4 AI, current and voltage applications | 7789320xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | TSX AEY 420        | 4 AI                                   | 7789259xxx | 1        | A2508P                            | 1        |                   |          |                   |          |
|                                                            | TSX AEY 800        | 8 AI                                   | 7789259xxx | 1        | A2508P                            | 1        |                   |          |                   |          |
|                                                            | TSX AEY 810        | 8 AI                                   | 7789261xxx | 1        | A2508P                            | 1        |                   |          |                   |          |
| AO                                                         | TSX ASY 410        | 4 AO, current applications             | 7789320xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | TSX ASY 410        | 4 AO, voltage applications             | 7789321xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                            | TSX ASY 800        | 8 AO                                   | 7789259xxx | 1        | A2508P                            | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs |                    |                                        |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

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# PLC SCHNEIDER – QUANTUM

|       | PLC                |                                       | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|--------------------|---------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards |                                       | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                    |                                       |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code  | Number/Type of channels               | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | 140 DAI 340 00     | 16 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAI 353 00     | 32 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAI 440 00     | 16 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAI 453 00     | 32 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAI 540 00     | 16 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAI 553 00     | 32 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAI 740 00     | 16 DI                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DDI 353 00     | 32 DI                                 | 7789121xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | 140 DDI 364 00     | 96 DI                                 | 7789301xxx | 6        | H2016                             | 6        | I2016             | 6        |                   |          |
|       | 140 DDI 841 00     | 16 DI                                 | 7789119xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
| DO    | 140 DDI 853 00     | 32 DI                                 | 7789121xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | 140 DAO 840 00     | 16 DO                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DAO 842 10     | 16 DO                                 | 7789113xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 140 DDO 353 00     | 32 DO                                 | 7789121xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|       | 140 DDO 364 00     | 96 DO                                 | 7789301xxx | 6        | H2016                             | 6        |                   |          | 02016             | 6        |
|       | 140 DDO 843 00     | 16 DO                                 | 7789120xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
| DI/DO | 140 DRA 840 00     | 16 DO                                 | 7789118xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 140 DDM 390 00     | 16 DI<br>8 DO                         | 7789133xxx | 1        | H2016<br>H2008                    | 1<br>1   |                   |          | 02008             | 1        |
| AI    | 140 ACI 030 00     | 8 AI, current applications            | 7789125xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 140 ACI 030 00     | 8 AI, voltage applications            | 7789134xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 140 ACI 040 00     | 16 AI                                 | 7789123xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | 140 AII 330 00     | 8 AI, 2-wire resistances applications | 7789136xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 140 ARI 030 10     | 8 AI, 2-wire resistances applications | 7789135xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 140 AVI 030 00     | 8 AI, current applications            | 7789125xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO    | 140 AVI 030 00     | 8 AI, voltage applications            | 7789134xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 140 ACO 020 00     | 4 AO                                  | 7789124xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 140 ACO 130 00     | 8 AO, without monitoring              | 7789126xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| Note  | 140 AIO 330 00     | 8 AIO                                 | 7789137xxx | 1        | A2508                             | 1        |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

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# PLC SCHNEIDER – TWIDO

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PLC                          |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Input/Output cards           |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Manufacturer code            | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TWD DDI 16DK                 | 16 DI, positive logic   | 7789328xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDI 16DT                 | 16 DI, positive logic   | 7789100xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDI 16DT <sup>A)</sup>   | 16 DI, negative logic   | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDI 32DK                 | 32 DI                   | 7789328xxx | 2        | H2016                             | 2        | I2016             | 2        |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDI 8DT                  | 8 DI, positive logic    | 7789100xxx | 1        | H2008                             | 1        | I2016             | 1        |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDI 8DT <sup>A)</sup>    | 8 DI, negative logic    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
| DO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TWD DDO 16TK                 | 16 DO                   | 7789329xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDO 16UK <sup>B)</sup>   | 16 DO                   | 7789328xxx | 1        | H2016                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDO 32TK                 | 32 DO                   | 7789329xxx | 2        | H2016                             | 2        |                   |          | O2016             | 2        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDO 32UK <sup>B)</sup>   | 32 DO                   | 7789328xxx | 2        | H2016                             | 2        |                   |          | O2016             | 2        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDO 8TT                  | 8 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DDO 8UT <sup>A)</sup>    | 8 DO                    | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DRA 16RT                 | 16 DO                   | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD DRA 8RT                  | 8 DO                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
| DI/DO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TWD LMDA 20DRT               | 12 DI, positive logic   | 7789100xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | 8 DO                    | 7789104xxx |          | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD LMDA 20DRT <sup>C)</sup> | 12 DI, negative logic   | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | 8 DO                    | 7789104xxx |          | R2416                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD LMDA 20DTK               | 12 DI, positive logic   | 7789327xxx | 1        | H2012                             | 1        |                   |          | O2016             | 1        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | 8 DO                    |            |          | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD LMDA 20DUK <sup>D)</sup> | 12 DI, positive logic   | 7789326xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | 8 DO                    |            |          | H2016                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD LMDA 40DTK               | 24 DI, positive logic   | 7789327xxx | 2        | H2012                             | 2        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | 16 DO                   |            |          | H2016                             | 2        |                   |          | H2008             | 2        |
| AI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TWD AMI 2HT                  | 2 AI                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD AMO 1HT                  | 1 AI                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD ALM 3LT                  | 2 AI                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              | 1 AO                    |            |          |                                   | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TWD AMM 3HT                  | 2 AI                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | 1 AO                    |            |          |                                   | 1        |                   |          |                   |          |
| <b>Note</b> A) Attention! Only use interfaces without LEDs<br>B) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option<br>C) Attention! Use only interfaces without LEDs for the direct <b>input</b> option<br>D) Attention! Use only interfaces without LEDs for the direct <b>output</b> option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated outlet option |                              |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC SIEMENS – S7-200

|       | PLC                |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|--------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                    |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | 6ES7221-1BF22-0XA0 | 8 DI                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       | 6ES7221-1BH22-0XA0 | 16 DI                   | 7789100xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7221-1EF22-0XA0 | 8 DI                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| DO    | 6ES7222-1BD22-0XA0 | 4 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|       | 6ES7222-1BF22-0XA0 | 8 DO                    | 7789100xxx | 1        | H2008                             | 1        |                   |          | O2008             | 1        |
|       | 6ES7222-1EF22-0XA0 | 8 DO                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7222-1HD22-0XA0 | 8 DO                    | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| DI/DO | 6ES7223-1BF22-0XA0 | 4 DI                    | 7789100xxx | 2        | H2008                             | 1        |                   |          |                   |          |
|       |                    | 4 DO                    |            |          | H2008                             | 1        |                   |          | O2008             | 1        |
|       | 6ES7223-1BH22-0XA0 | 8 DI                    | 7789100xxx | 2        | H2008                             | 1        |                   |          |                   |          |
|       |                    | 8 DO                    |            |          | H2008                             | 1        |                   |          | O2008             | 1        |
|       | 6ES7223-1BL22-0XA0 | 16 DI                   | 7789100xxx | 2        | H2016                             | 1        |                   |          |                   |          |
|       |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|       | 6ES7223-1BM22-0XA0 | 32 DI                   | 7789100xxx | 4        | H2016                             | 2        |                   |          |                   |          |
|       |                    | 32 DO                   |            |          | H2016                             | 2        |                   |          | O2016             | 2        |
|       | 6ES7223-1HF22-0XA0 | 4 DI                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                    | 4 DO                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7223-1PH22-0XA0 | 8 DI                    | 7789100xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                    | 8 DO                    | 7789108xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7223-1PL22-0XA0 | 16 DI                   | 7789100xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       |                    | 16 DO                   | 7789104xxx | 1        | R2416                             | 1        |                   |          |                   |          |
| AI    | 6ES7231-0HC22-0XA0 | 4 AI                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7231-0HF22-0XA0 | 8 AI                    | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO    | 6ES7232-0HB22-0XA0 | 2 AO                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7232-0HD22-0XA0 | 4 AO                    | 7789250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO | 6ES7235-0KD22-0XA0 | 4 AI / 1 AO             | 7789252xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| Note  |                    |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 7789250xxx, 7789252xxx and 7789254xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.

\* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

## PLC SIEMENS – S7-300/ET- 200M

|       | PLC                              |                                     | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|----------------------------------|-------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards               |                                     | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                                  |                                     |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code                | Number/Type of channels             | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | 6ES7321-1BH00-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BH01-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BH02-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BH50-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BH80-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BH81-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BH82-0AA0               | 16 DI                               | 7789234xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       | 6ES7321-1BL00-0AA0               | 32 DI                               | 7789236xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | 6ES7321-1BL80-0AA0               | 32 DI                               | 7789236xxx | 1        | H2016                             | 2        | I2016             | 2        |                   |          |
|       | 6ES7321-1BP00-0AA0               | 64 DI, positive logic               | 7789771xxx | 2        | H2016                             | 4        | I2016             | 4        |                   |          |
|       |                                  | 64 DI, negative logic <sup>A)</sup> | 7789768xxx | 2        | H2016                             | 4        |                   |          |                   |          |
|       | 6ES7321-1CH20-0AA0               | 16 DI                               | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-1CH80-0AA0               | 16 DI                               | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-1EH00-0AA0               | 16 DI                               | 7789212xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-1EH01-0AA0               | 16 DI                               | 7789212xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-1EL00-0AA0               | 16 DI                               | 7789215xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|       | 6ES7321-1FF00-0AA0               | 8 DI                                | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7321-1FF01-0AA0               | 8 DI                                | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7321-1FF81-0AA0               | 8 DI                                | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7321-1FH00-0AA0               | 16 DI                               | 7789212xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-7BH00-0AB0 <sup>A)</sup> | 16 DI                               | 7789210xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-7BH01-0AB0 <sup>A)</sup> | 16 DI                               | 7789210xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-7BH80-0AB0 <sup>A)</sup> | 16 DI                               | 7789210xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7321-7RD00-0AB0 <sup>B)</sup> | 16 DI                               | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
| DO    | 6ES7322-1BF00-0AA0               | 8 DO                                | 7789239xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7322-1BF01-0AA0               | 8 DO                                | 7789239xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7322-1BH00-0AA0               | 16 DO                               | 7789234xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7322-1BH01-0AA0               | 16 DO                               | 7789234xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7322-1BH10-0AA0               | 16 DO                               | 7789234xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7322-1BH81-0AA0               | 16 DO                               | 7789234xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7322-1BL00-0A00               | 32 DO                               | 7789236xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|       | 6ES7322-1BP00-0AA0               | 64 DO                               | 7789246xxx | 2        | H2016                             | 4        |                   |          | 02016             | 4        |
|       | 6ES7322-1BP50-0AA0 <sup>C)</sup> | 64 DO                               | 7789246xxx | 2        | H2016                             | 4        |                   |          | 02016             | 4        |
|       | 6ES7322-1CF00-0AA0               | 8 DO                                | 7789191xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7322-1CF80-0AA0               | 8 DO                                | 7789191xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7322-1EH00-0AA0               | 16 DO                               | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7322-1EH01-0AA0               | 16 DO                               | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7322-1EL00-0AA0               | 32 DO                               | 7789211xxx | 2        | R2416                             | 2        |                   |          |                   |          |
|       | 6ES7322-1FF00-0AA0               | 8 DO                                | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7322-1FF01-0AA0               | 8 DO                                | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7322-1FF81-0AA0               | 8 DO                                | 7789219xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7322-1FH00-0AA0               | 16 DO                               | 7789211xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7322-1FL00-0AA0               | 32 DO                               | 7789211xxx | 2        | R2416                             | 2        |                   |          |                   |          |
|       | 6ES7322-1HF80-0AA0               | 8 DO                                | 7789190xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7322-5RD00-0AB0 <sup>D)</sup> | 4 DO                                | 7789192xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | 6ES7322-5SD00-0AB0 <sup>D)</sup> | 4 DO                                | 7789192xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       | 6ES7322-8BF00-0AB0               | 8 DO, without redundancy            | 7789239xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7322-8BF00-0AB0               | 8 DO, with redundancy               | 7789830xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7322-8BH01-0AB0               | 16 DO, without redundancy           | 7789729xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7322-8BH01-0AB0               | 16 DO, with redundancy              | 7789730xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
| DI/DO | 6ES7323-1BH00-0A00               | 8 DI                                | 7789237xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                  | 8DO                                 |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7323-1BH01-0A00               | 8 DI                                | 7789237xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                  | 8 DO                                |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7323-1BH80-0AA0               | 8 DI                                | 7789237xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                  | 8 DO                                |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7323-1BH80-0A00               | 8 DI                                | 7789237xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                  | 8 DO                                |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7323-1BL00-0AA0               | 16 DI                               | 7789236xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       |                                  | 16 DO                               |            |          | H2016                             | 1        |                   |          | 02016             | 1        |

# PLC SIEMENS – Siemens S7-300 / ET-200M

|       | PLC                              |                                   | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|----------------------------------|-----------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards               |                                   | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                                  |                                   |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code                | Number/Type of channels           | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| AI    | 6ES7331-1KF01-0AB0               | 8 AI                              | 7789604xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | 6ES7331-1KF02-0AB0               | 8 AI                              | 7789604xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | 6ES7331-7KB00-0AB0               | 2 AI                              | 7789224xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7331-7KB01-0AB0               | 2 AI                              | 7789224xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7331-7KB02-0AB0               | 2 AI                              | 7789224xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7331-7KF00-0AB0               | 8 AI                              | 7789229xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7KF01-0AB0               | 8 AI                              | 7789229xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7KF02-0AB0               | 8 AI                              | 7789229xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7NF00-0AB0               | 8 AI                              | 7789231xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | 6ES7331-7PF00-0AB0               | 8 AI, 2-wire applications         | 7789230xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7PF01-0AB0 <sup>B)</sup> | 8 AI, 3 and 4-wire applications   | 7789759xxx | 1        | H40                               | 1        |                   |          |                   |          |
|       | 6ES7331-7PF01-0AB0               | 8 AI, 2-wire applications         | 7789230xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7PF01-0AB0 <sup>B)</sup> | 8 AI, 3 and 4-wire applications   | 7789759xxx | 1        | H40                               | 1        |                   |          |                   |          |
|       | 6ES7331-7RD00-0AB0               | 4 AI, 2-wire applications         | 7789193xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7331-7RD00-0AB0               | 4 AI, 4-wire applications         | 7789194xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7TF01-0AB0               | 8 AI, 2-wire applications         | 7789229xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7331-7TF01-0AB0               | 8 AI, 4-wire applications         | 7789800xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO    | 6ES7332-5HB00-0AB0               | 2 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HB00-0AB0 <sup>B)</sup> | 2 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-5HB00-0AB0               | 2 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HB01-0AB0               | 2 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HB01-0AB0 <sup>B)</sup> | 2 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-5HB01-0AB0               | 2 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HB81-0AB0               | 2 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HB81-0AB0 <sup>B)</sup> | 2 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-5HB81-0AB0               | 2 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HD00-0AB0               | 4 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HD00-0AB0 <sup>B)</sup> | 4 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-5HD00-0AB0               | 4 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HD01-0AB0               | 4 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HD01-0AB0 <sup>B)</sup> | 4 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-5HD01-0AB0               | 4 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-5HF00-0AB0               | 8 AO, voltage applications        | 7789759xxx | 1        | H40                               | 1        |                   |          |                   |          |
|       | 6ES7332-5HF00-0AB0 <sup>B)</sup> | 8 AO, current applications        | 7789233xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7332-5RD00-0AB0               | 4 AO                              | 7789195xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-7ND01-0AB0               | 4 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-7ND01-0AB0 <sup>B)</sup> | 4 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-7ND01-0AB0               | 4 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-7ND02-0AB0               | 4 AO, 2-wire voltage applications | 7789228xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7332-7ND02-0AB0 <sup>B)</sup> | 4 AO, 4-wire voltage applications | 7789801xxx | 1        | H20                               | 1        |                   |          |                   |          |
|       | 6ES7332-7ND02-0AB0               | 4 AO, current applications        | 7789227xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO | 6ES7334-0CE01-0AA0               | 4 AI + 2 AO                       | 7789225xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | 6ES7334-0KE01-0AB0               | 4 AI + 2 AO                       | 7789196xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|       | 6ES7335-7HG01-0AB0               | 4 AI + 2 AO                       | 7789226xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|       | 6ES7335-7HG02-0AB0               | 4 AI + 2 AO                       | 7789226xxx | 1        | A3716                             | 1        |                   |          |                   |          |
| CPU   | 6ES7312-5BD00-0AB0               | 10 DI                             | 7789221xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|       |                                  | 6 DO                              |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7312-5BD01-0AB0               | 10 DI                             | 7789221xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|       |                                  | 6 DO                              |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7312-5BE03-0AB0               | 10 DI                             | 7789221xxx | 1        | H2012                             | 1        |                   |          |                   |          |
|       |                                  | 6 DO                              |            |          | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7313-5BE00-0AB0               | 16 DI                             | 7789222xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       |                                  | 16 DO                             |            |          | H2016                             | 1        |                   |          | 02016             | 1        |
|       |                                  | 8 DI                              | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                  | 5 AI + 2 AO                       |            |          | A2508P                            | 1        |                   |          |                   |          |
|       | 6ES7313-5BE01-0AB0               | 16 DI                             | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|       |                                  | 16 DO                             |            |          | H2016                             | 1        |                   |          | 02016             | 1        |
|       |                                  | 8 DI                              | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                                  | 5 AI + 2 AO                       |            |          | A2508P                            | 1        |                   |          |                   |          |

# PLC Siemens S7-300 / ET- 200M

|     | PLC                |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-----|--------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|     | Input/Output cards |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|     |                    |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|     | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| CPU | 6ES7313-5BF03-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |
|     | 6ES7313-6BE00-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     | 6ES7313-6BE01-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     | 6ES7313-6BF03-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     | 6ES7313-6CE00-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     | 6ES7313-6CE01-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     | 6ES7313-6CF03-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     | 6ES7314-6BF00-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |
|     | 6ES7314-6BF01-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |
|     | 6ES7314-6BF02-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |
|     | 6ES7314-6CF00-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |
|     | 6ES7314-6CF01-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |
|     | 6ES7314-6CF02-0AB0 | 16 DI                   | 7789222xxx | 1        | H2016                             | 1        | I2016             | 1        |                   |          |
|     |                    | 16 DO                   |            |          | H2016                             | 1        |                   |          | O2016             | 1        |
|     |                    | 8 DI                    | 7789223xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|     |                    | 5 AI + 2 AO             |            |          | A2508P                            | 1        |                   |          |                   |          |

**Note**

A) Attention! Only use interfaces without LEDs  
 B) Attention! Only use these interfaces: 8537110000 or 0224261001. More information in chapter C  
 C) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option  
 D) This is not an ATEX solution. The interface cannot have LEDs, fuses, disconnectors or test points  
 E) Attention! Only use these interfaces: 8537140000 or 0224461001. More information in chapter C

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# PLC SIEMENS – S7-400

|      | PLC                |                                              | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|------|--------------------|----------------------------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|      | Input/Output cards |                                              | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|      |                    |                                              |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|      | Manufacturer code  | Number/Type of channels                      | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI   | 6ES7421-1BL00-0AA0 | 32 DI                                        | 7789292xxx | 1        | H2016                             | 2        | H2016             | 2        |                   |          |
|      | 6ES7421-1BL01-0AA0 | 32 DI                                        | 7789292xxx | 1        | H2016                             | 2        | H2016             | 2        |                   |          |
|      | 6ES7421-1EL00-0AA0 | 32 DI                                        | 7789278xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|      | 6ES7421-1FH00-0AA0 | 16 DI                                        | 7789273xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|      | 6ES7421-1FH20-0AA0 | 16 DI                                        | 7789273xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|      | 6ES7421-7BH00-0AB0 | 16 DI                                        | 7789290xxx | 1        | H2016                             | 2        | H2016             | 2        |                   |          |
|      | 6ES7421-7BH01-0AB0 | 16 DI                                        | 7789290xxx | 1        | H2016                             | 2        | H2016             | 2        |                   |          |
| DO   | 6ES7421-7DH00-0AB0 | 16 DI                                        | 7789278xxx | 1        | R3632                             | 1        |                   |          |                   |          |
|      | 6ES7422-1BH10-0AA0 | 16 DO                                        | 7789291xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|      | 6ES7422-1BH11-0AA0 | 16 DO                                        | 7789291xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|      | 6ES7422-1BL00-0AA0 | 32 DO                                        | 7789292xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|      | 6ES7422-1FF00-0AA0 | 8 DO                                         | 7789283xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|      | 6ES7422-1FH00-0AA0 | 16 DO                                        | 7789273xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|      | 6ES7422-1HH00-0AA0 | 16 DO                                        | 7789270xxx | 1        | R3632                             | 1        |                   |          |                   |          |
| AI   | 6ES7422-5EH10-0AB0 | 16 DO                                        | 7789291xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|      | 6ES7422-7BL00-0AB0 | 32 DO                                        | 7789292xxx | 1        | H2016                             | 2        |                   |          | 02016             | 2        |
|      | 6ES7431-0HH00-0AB0 | 16 AI                                        | 7789284xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|      | 6ES7431-1KF00-0AB0 | 8 AI, voltage and resistance applications    | 7789286xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|      | 6ES7431-1KF00-0AB0 | 8 AI, current applications                   | 7789287xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|      | 6ES7431-1KF10-0AB0 | 8 AI                                         | 7789285xxx | 1        | A2508                             | 1        |                   |          |                   |          |
|      | 6ES7431-1KF20-0AB0 | 8 AI                                         | 7789285xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO   | 6ES7431-7KF10-0AB0 | 16 AI                                        | 7789284xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|      | 6ES7431-7QH00-0AB0 | 16 AI                                        | 7789284xxx | 1        | A3716                             | 1        |                   |          |                   |          |
|      | 6ES7432-1HF00-0AB0 | 8 AO, 8 AO, common mode voltage applications | 7789288xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| Note |                    |                                              |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmuller.com](http://www.weidmuller.com) where you will always find the most up-to-date information.

# PLC SIEMENS – S7-1200

|       | PLC                |                         | Cables     |          | Interfaces                        |          |                   |          |                   |          |
|-------|--------------------|-------------------------|------------|----------|-----------------------------------|----------|-------------------|----------|-------------------|----------|
|       | Input/Output cards |                         | Standard   |          | Direct inputs/outputs             |          | Insulated inputs  |          | Insulated outputs |          |
|       |                    |                         |            |          | - see page A.38 (H) or A.60 (A) - |          | - see page A.66 - |          | - see page A.70 - |          |
|       | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Type                              | Quantity | Type              | Quantity | Type              | Quantity |
| DI    | 6ES7221-1BF30-0XB0 | 8 DI                    | 1329110xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       | 6ES7221-1BH30-0XB0 | 16 DI                   | 1329120xxx | 1        | H2016                             | 1        | H2016             |          |                   |          |
| DO    | 6ES7222-1HF30-0XB0 | 8 DO                    | 1329130xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7222-1HH30-0XB0 | 16 DO                   | 1329140xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7222-1BF30-0XB0 | 8 DO                    | 1329150xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7222-1BH30-0XB0 | 16 DO                   | 1329170xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7223-1PH30-0XB0 | 8 DI                    | 1329180xxx | 1        | H2008                             | 1        |                   |          |                   |          |
| DI/DO |                    | 8 DO                    | 1329190xxx | 1        | R1208                             | 1        |                   |          |                   |          |
|       | 6ES7223-1PL30-0XB0 | 16 DI                   | 1329200xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       |                    | 16 DO                   | 1329210xxx | 1        | R2416                             | 1        |                   |          |                   |          |
|       | 6ES7223-1BH30-0XB0 | 8 DI                    | 1329180xxx | 1        | H2008                             | 1        |                   |          |                   |          |
|       |                    | 8 DO                    | 1329230xxx | 1        | H2008                             | 1        |                   |          | 02008             | 1        |
|       | 6ES7223-1BL30-0XB0 | 16 DI                   | 1329200xxx | 1        | H2016                             | 1        |                   |          |                   |          |
|       |                    | 16 DO                   | 1329240xxx | 1        | H2016                             | 1        |                   |          | 02016             | 1        |
|       | 6ES7231-4HD30-0XB0 | 4 AI                    | 1329250xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI    | 6ES7231-4HF30-0XB0 | 8 AI                    | 1329270xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| AO    | 6ES7232-4HB30-0XB0 | 2 AO                    | 1329280xxx | 1        | A1504                             | 1        |                   |          |                   |          |
|       | 6ES7232-4HD30-0XB0 | 4 AO                    | 1329290xxx | 1        | A1504                             | 1        |                   |          |                   |          |
| AI/AO | 6ES7234-4HE30-0XB0 | 4 AI<br>2 AO            | 1329300xxx | 1        | A2508                             | 1        |                   |          |                   |          |
| Note  |                    |                         |            |          |                                   |          |                   |          |                   |          |

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- \* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at [www.weidmueller.com](http://www.weidmueller.com) where you will always find the most up-to-date information.

# RS IO – Selection guide for passive interfaces for digital signals

| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                                                                                     | Features                                                                            |                                                                                     |                                                                                     |                                                                                      |                                                                                      | Interfaces       |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|--------------------|------|------------|----------------|---------|------------|----------------|--------|------------|------------------|---------|------------|------------------|--------|------------|------------------|---------|------------|------------------|--------|------------|------------------|---------|------------|------------------|--------|------------|------------------|---------|------------|------------------|--------|------------|------------------|---------|------------|------------------|--------|------------|----------------|---------|------------|----------------|--------|------------|------------------|---------|------------|------------------|--------|
| Number of channels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Family           | Type of wiring                                                                      | Connection                                                                          |                                                                                     | LED by channel                                                                      | Disconnectable                                                                       | Fuse                                                                                 | Order No.        | Type               | Page |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     | Screw                                                                               | Tension clamp connection                                                            |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 8-channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H2008            | 2-wire                                                                              |    |                                                                                     |    |                                                                                      |                                                                                      | 9445530000       | RS 8IO 2W L H S    | A.40 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R1208            | 2-wire                                                                              |    |                                                                                     |                                                                                     |                                                                                      |                                                                                      | 9441540000       | RS 8IO 2W R S      | A.41 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 12-channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H2012            | 2-wire                                                                              |    |                                                                                     |    |                                                                                      |                                                                                      | 9445630000       | RS 12IO 2W L H S   | A.42 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 16-channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H2016            | 1-wire                                                                              |    |                                                                                     |    |                                                                                      |                                                                                      | 9445700000       | RS 16IO 1W H S     | A.43 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |    |                                                                                     |    |                                                                                      |                                                                                      | 9445710000       | RS 16IO 1W L H S   | A.43 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |                                                                                     |    |    |                                                                                      |                                                                                      | 1311750000       | RS 16IO 1W H Z     | A.43 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |                                                                                     |    |    |                                                                                      |                                                                                      | 1311770000       | RS 16IO 1W L H Z   | A.43 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |    |                                                                                     |    | ↕                                                                                    |                                                                                      | 9445810000       | RS 16IO 1W L H S   | A.44 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |                                                                                     |    |    | ↕                                                                                    |                                                                                      | 1311780000       | RS 16IO 1W L H Z   | A.44 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  | 2-wire                                                                              |    |                                                                                     |    |                                                                                      |                                                                                      | 9445720000       | RS 16IO 2W H S     | A.45 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |    |                                                                                     |    |                                                                                      |                                                                                      | 9445730000       | RS 16IO 2W L H S   | A.45 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3-wire           |  |                                                                                     |  |                                                                                     |                                                                                      | 9445760000                                                                           | RS 16IO 3W H S   | A.48               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |  |  |                                                                                     |                                                                                      | 9441500000                                                                           | RS 16IO 1W R S   | A.49               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |  |  |                                                                                     |                                                                                      | 9441860000                                                                           | RS 16IO 1W I R S | A.49               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| R2416                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1-wire           |  |                                                                                     |  |                                                                                     |                                                                                      | 9441700000                                                                           | RS 16IO 2W R S   | A.50               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2-wire           |  |                                                                                     |  |                                                                                     |                                                                                      | 9441560000                                                                           | RS 16IO 2W F R S | A.50               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3-wire           |  |                                                                                     |  | ↕                                                                                   |                                                                                      | 9441600000                                                                           | RS 16IO 3W I R S | A.51               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 32-channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H2032            | 1-wire                                                                              |  |                                                                                     |  |                                                                                      |                                                                                      | 9445900000       | RS 32IO 1W H S     | A.52 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |  |                                                                                     |  | ↕                                                                                    |                                                                                      | 9445910000       | RS 32IO 1W L H S   | A.52 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  | 2-wire                                                                              |  |                                                                                     |  | ↕                                                                                    |                                                                                      | 9445930000       | RS 32IO 2W L H S   | A.54 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |  |                                                                                     |  |                                                                                      |  | 9445980000       | RS 32IO 2W F H S   | A.55 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R3632            | 3-wire                                                                              |  |                                                                                     |  |                                                                                      |                                                                                      | 9445960000       | RS 32IO 3W H S     | A.56 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |  |                                                                                     |  |                                                                                      |                                                                                      | 9445970000       | RS 32IO 3W L H S   | A.56 |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  | 1-wire                                                                              |                                                                                     |  | ↕                                                                                   |                                                                                      | 9441870000                                                                           | RS 32IO 1W I R S | A.57               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |                                                                                     |  |                                                                                     |                                                                                      | 9441710000                                                                           | RS 32IO 2W R S   | A.58               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                     |                                                                                     |  |                                                                                     |  | 9441570000                                                                           | RS 32IO 2W F R S | A.58               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3-wire           |  |                                                                                     |  | ↕                                                                                   |                                                                                      | 9441610000                                                                           | RS 32IO 3W I R S | A.59               |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| <b>Note 1:</b> Coding of the interface descriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| RS 8IO: 8 inputs/outputs<br>12IO: 12 inputs/outputs<br>16IO: 16 inputs/outputs<br>32IO: 32 inputs/outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 1W: 1-wire<br>2W: 2-wire<br>3W: 3-wire<br>Number of wires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| (empty): Direct<br>I: Switch<br>L: LED<br>F: Fuse<br>I L: Switch + LED<br>F L: Fuse + LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| H HE connector (ribbon cable)<br>R: RSV connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| S: Screw<br>Z: Tension clamp connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| <b>Note 2:</b> 2 units of the following products from the H2016 family can be replaced by 1 unit from the H2032 family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| <table><tr><td>9445700000</td><td>RS 16IO 1W H S</td><td>2 units</td><td>9445900000</td><td>RS 32IO 1W H S</td><td>1 unit</td></tr><tr><td>9445710000</td><td>RS 16IO 1W L H S</td><td>2 units</td><td>9445910000</td><td>RS 32IO 1W L H S</td><td>1 unit</td></tr><tr><td>9445810000</td><td>RS 16IO 1W L H Z</td><td>2 units</td><td>9445870000</td><td>RS 32IO 1W L H S</td><td>1 unit</td></tr><tr><td>9445730000</td><td>RS 16IO 2W L H S</td><td>2 units</td><td>9445930000</td><td>RS 32IO 2W L H S</td><td>1 unit</td></tr><tr><td>9445750000</td><td>RS 16IO 2W L H S</td><td>2 units</td><td>9445950000</td><td>RS 32IO 2W L H S</td><td>1 unit</td></tr><tr><td>9445820000</td><td>RS 16IO 2W F H S</td><td>2 units</td><td>9445980000</td><td>RS 32IO 2W F H S</td><td>1 unit</td></tr><tr><td>9445760000</td><td>RS 16IO 3W H S</td><td>2 units</td><td>9445960000</td><td>RS 32IO 3W H S</td><td>1 unit</td></tr><tr><td>9445770000</td><td>RS 16IO 3W L H S</td><td>2 units</td><td>9445970000</td><td>RS 32IO 3W L H S</td><td>1 unit</td></tr></table> |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                  |                    |      | 9445700000 | RS 16IO 1W H S | 2 units | 9445900000 | RS 32IO 1W H S | 1 unit | 9445710000 | RS 16IO 1W L H S | 2 units | 9445910000 | RS 32IO 1W L H S | 1 unit | 9445810000 | RS 16IO 1W L H Z | 2 units | 9445870000 | RS 32IO 1W L H S | 1 unit | 9445730000 | RS 16IO 2W L H S | 2 units | 9445930000 | RS 32IO 2W L H S | 1 unit | 9445750000 | RS 16IO 2W L H S | 2 units | 9445950000 | RS 32IO 2W L H S | 1 unit | 9445820000 | RS 16IO 2W F H S | 2 units | 9445980000 | RS 32IO 2W F H S | 1 unit | 9445760000 | RS 16IO 3W H S | 2 units | 9445960000 | RS 32IO 3W H S | 1 unit | 9445770000 | RS 16IO 3W L H S | 2 units | 9445970000 | RS 32IO 3W L H S | 1 unit |
| 9445700000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 1W H S   | 2 units                                                                             | 9445900000                                                                          | RS 32IO 1W H S                                                                      | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445710000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 1W L H S | 2 units                                                                             | 9445910000                                                                          | RS 32IO 1W L H S                                                                    | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445810000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 1W L H Z | 2 units                                                                             | 9445870000                                                                          | RS 32IO 1W L H S                                                                    | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445730000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 2W L H S | 2 units                                                                             | 9445930000                                                                          | RS 32IO 2W L H S                                                                    | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445750000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 2W L H S | 2 units                                                                             | 9445950000                                                                          | RS 32IO 2W L H S                                                                    | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445820000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 2W F H S | 2 units                                                                             | 9445980000                                                                          | RS 32IO 2W F H S                                                                    | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445760000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 3W H S   | 2 units                                                                             | 9445960000                                                                          | RS 32IO 3W H S                                                                      | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |
| 9445770000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RS 16IO 3W L H S | 2 units                                                                             | 9445970000                                                                          | RS 32IO 3W L H S                                                                    | 1 unit                                                                              |                                                                                      |                                                                                      |                  |                    |      |            |                |         |            |                |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                  |         |            |                  |        |            |                |         |            |                |        |            |                  |         |            |                  |        |



# RS IO - Passive interface for digital signals

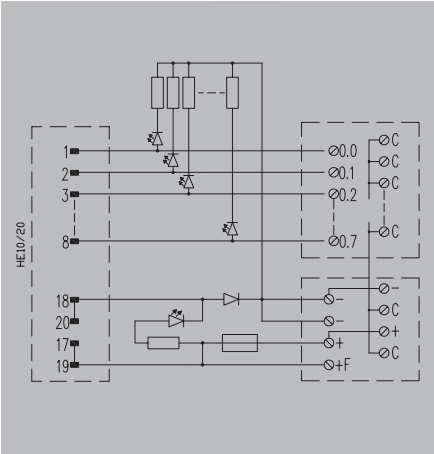
## RS IO - Interface for 8 digital signals 2-wire H (HE connector) system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

## RS 8IO 2W L H

H system, 2 wires with LED



## Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |
|-----------------------------------------------------------------------|
| 20-pole plug                                                          |
| green                                                                 |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 24 V DC ± 10%                                                         |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE, GOSTME25                                                          |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| Screw connection                                                      |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| TS 32, TS 35                                                          |
| 74 mm / 87 mm                                                         |
| The common C may carry up to 3 A if the external jumpers are not used |

## Ordering data

|                           |
|---------------------------|
| Screw connection with LED |
|---------------------------|

| Type            | Height | Order No.  |
|-----------------|--------|------------|
| RS 8IO 2W L H S | 72 mm  | 9445530000 |

| Note |
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## Accessories

| Note |
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| Note |
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| Note |
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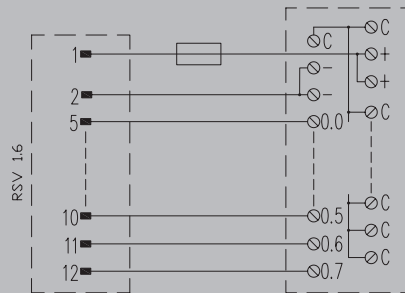
## RS IO - Interface for 8 digital signals 2-wire R system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

### RS 8IO 2W R

R system, 2 wires



## Technical data

### Connection data and functionality

Connection on control side  
Number of poles (control side)  
LED status display per channel  
LED status of the supply voltage  
Fuse per channel  
Power supply fuse  
Type of test point

Connector RSV 1.6  
12-pole socket  
No  
No  
No  
3.15 A  
No

### Rated data

Operating voltage  
Max. current per channel  
Operating voltage (supply)  
Operating current (supply)

250 V UC  
1 A  
24 V DC  $\pm 10\%$   
3 A

### General data

Ambient temperature (operational)  
Storage temperature  
Approvals

-25...+50°C  
-40...+60 °C  
CE, GOSTME25

### Insulation coordination (EN50178)

Rated insulation voltage  
Surge voltage category  
Pollution severity level  
Pulse voltage test (1,2/50µs)

< 250 V AC  
II  
2  
2.1 kV

### Dimensions

Clamping range, min. / max. [Field]  
Clamping range, min. / max. [supply]  
Mounting rail  
Length x width

### Screw connection

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>  
0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>  
TS 32, TS 35  
68 mm / 87 mm

### Note

The common C may carry up to 3 A if the external jumpers are not used

## Ordering data

Screw connection without LED

| Type          | Height | Order No.  |
|---------------|--------|------------|
| RS 8IO 2W R S | 72 mm  | 9441540000 |

### Note

## Accessories

### Note

## RS IO - Passive interface for digital signals

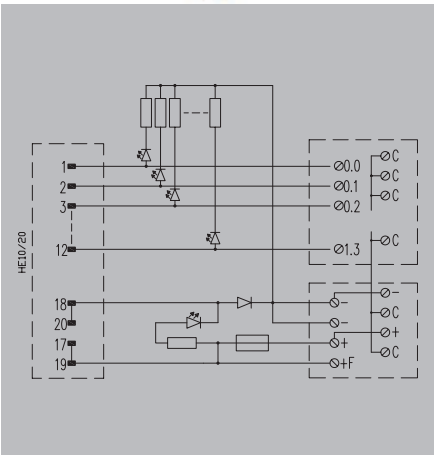
### RS IO - Interface for 12 digital signals 2-wire H system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

### RS 12IO 2W L H

H system, 2 wires with LED



#### Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |
|-----------------------------------------------------------------------|
| 20-pole plug                                                          |
| green                                                                 |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 24 V DC ± 10%                                                         |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE; GOSTME25                                                          |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| Screw connection                                                      |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| TS 32, TS 35                                                          |
| 95 mm / 87 mm                                                         |
| The common C may carry up to 3 A if the external jumpers are not used |

#### Ordering data

|                           |
|---------------------------|
| Screw connection with LED |
|---------------------------|

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 12IO 2W L H S | 72 mm  | 9445630000 |

| Note |
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#### Accessories

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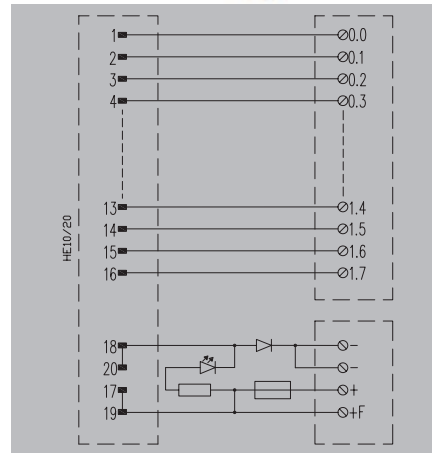
**RS IO - Interface****for 16 digital signals 1-wire H system**

Digital input/output passive interface

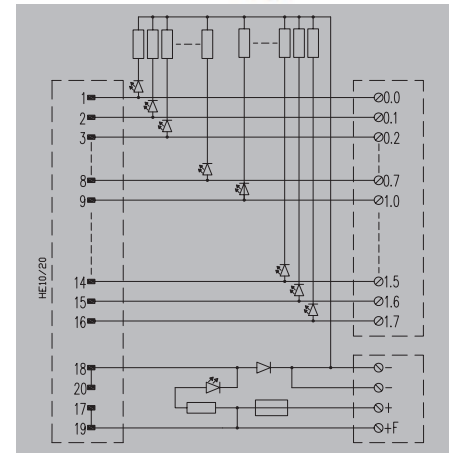
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

**RS 16IO 1W H**

H system, 1 wire

**RS 16IO 1W L H**

H system, 1 wire with LED

**Technical data**

| Connection data and functionality    |  |
|--------------------------------------|--|
| Connection on control side           |  |
| Number of poles (control side)       |  |
| LED status display per channel       |  |
| LED status of the supply voltage     |  |
| Fuse per channel                     |  |
| Power supply fuse                    |  |
| Type of test point                   |  |
| Rated data                           |  |
| Operating voltage                    |  |
| Max. current per channel             |  |
| Operating voltage (supply)           |  |
| Operating current (supply)           |  |
| General data                         |  |
| Ambient temperature (operational)    |  |
| Storage temperature                  |  |
| Approvals                            |  |
| Insulation coordination (EN50178)    |  |
| Rated insulation voltage             |  |
| Surge voltage category               |  |
| Pollution severity level             |  |
| Pulse voltage test (1,2/50µs)        |  |
| Dimensions                           |  |
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 20-pole plug                                 |                                            |
| No                                           |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 3.15 A                                       |                                            |
| No                                           |                                            |
| 25 V AC / 50 V DC                            |                                            |
| 1 A                                          |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE; GOSTME25                                 |                                            |
| < 50 V AC                                    |                                            |
| III                                          |                                            |
| 2                                            |                                            |
| 0.8 kV                                       |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 46 mm / 87 mm                                | 46 mm / 87 mm                              |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 20-pole plug                                 |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 3.15 A                                       |                                            |
| No                                           |                                            |
| 24 V DC ± 10%                                |                                            |
| 1 A                                          |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE; GOSTME25                                 |                                            |
| < 50 V AC                                    |                                            |
| III                                          |                                            |
| 2                                            |                                            |
| 0.8 kV                                       |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 46 mm / 87 mm                                | 46 mm / 87 mm                              |

**Ordering data**

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 1W H S | 72 mm  | 9445700000 |
| RS 16IO 1W H Z | 72 mm  | 1311750000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 1W L H S | 72 mm  | 9445710000 |
| RS 16IO 1W L H Z | 72 mm  | 1311770000 |

**Accessories**

| Note |
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## RS IO - Passive interface for digital signals

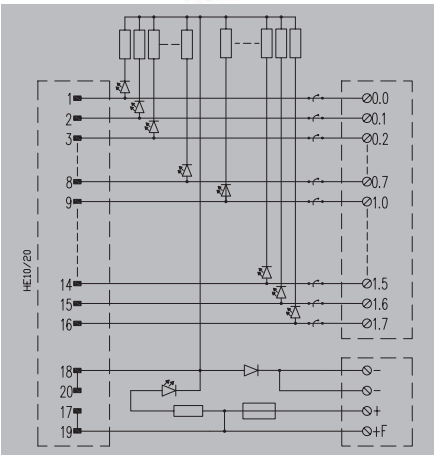
### RS IO - Interface for 16 digital signals 1-wire H system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

### RS 16IO 1W I-L H

H system, 1 wire with LED and disconnection per channel



#### Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |
|----------------------------------------------|
| 20-pole plug                                 |
| green                                        |
| yellow                                       |
| No                                           |
| 3.15 A                                       |
| No                                           |
| 24 V DC ± 10%                                |
| 1 A                                          |
| 24 V DC ± 10%                                |
| 2 A                                          |
| -25...+50°C                                  |
| -40...+60 °C                                 |
| CE; GOSTME25                                 |
| < 50 V AC                                    |
| III                                          |
| 2                                            |
| 0.8 kV                                       |
| Screw connection                             |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |
| TS 32, TS 35                                 |
| 110 mm / 87 mm                               |
| Tension clamp connection                     |
| 0.14 mm <sup>2</sup> / 1.5 mm <sup>2</sup>   |
| 0.14 mm <sup>2</sup> / 1.5 mm <sup>2</sup>   |
| TS 32, TS 35                                 |
| 110 mm / 87 mm                               |

#### Ordering data

| Screw connection without LED         |
|--------------------------------------|
| Screw connection with LED            |
| Tension-clamp connection without LED |
| Tension-clamp connection with LED    |
| Note                                 |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| RS 16IO 1W I-L H S | 72 mm  | 9445810000 |
| RS 16IO 1W I-L H Z | 72 mm  | 1311780000 |

#### Accessories

| Note |
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| Note |
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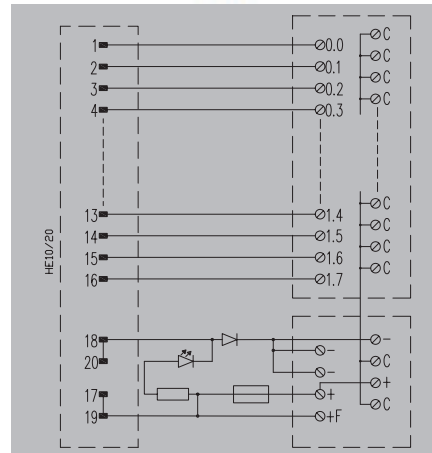
**RS IO - Interface****for 16 digital signals 2-wire H system**

Digital input/output passive interface

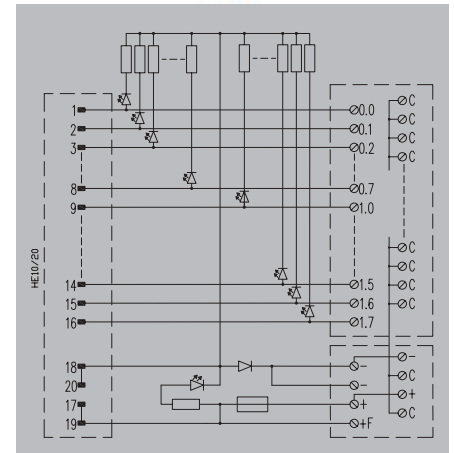
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

**RS 16IO 2W H**

H system, 2 wires

**RS 16IO 2W L H**

H system, 2 wires with LED

**Technical data**

| Connection data and functionality    |  |
|--------------------------------------|--|
| Connection on control side           |  |
| Number of poles (control side)       |  |
| LED status display per channel       |  |
| LED status of the supply voltage     |  |
| Fuse per channel                     |  |
| Power supply fuse                    |  |
| Type of test point                   |  |
| Rated data                           |  |
| Operating voltage                    |  |
| Max. current per channel             |  |
| Operating voltage (supply)           |  |
| Operating current (supply)           |  |
| General data                         |  |
| Ambient temperature (operational)    |  |
| Storage temperature                  |  |
| Approvals                            |  |
| Insulation coordination (EN50178)    |  |
| Rated insulation voltage             |  |
| Surge voltage category               |  |
| Pollution severity level             |  |
| Pulse voltage test (1,2/50µs)        |  |
| Dimensions                           |  |
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |                                            |
|-----------------------------------------------------------------------|--------------------------------------------|
| 20-pole plug                                                          |                                            |
| No                                                                    |                                            |
| yellow                                                                |                                            |
| No                                                                    |                                            |
| 3.15 A                                                                |                                            |
| No                                                                    |                                            |
| 25 V AC / 50 V DC                                                     |                                            |
| 1 A                                                                   |                                            |
| 24 V DC ± 10%                                                         |                                            |
| 2 A                                                                   |                                            |
| -25...+50°C                                                           |                                            |
| -40...+60 °C                                                          |                                            |
| CE; GOSTME25                                                          |                                            |
| < 50 V AC                                                             |                                            |
| III                                                                   |                                            |
| 2                                                                     |                                            |
| 0.8 kV                                                                |                                            |
| Screw connection                                                      | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 87 mm / 87 mm                                                         | 87 mm / 87 mm                              |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |                                            |
|-----------------------------------------------------------------------|--------------------------------------------|
| 20-pole plug                                                          |                                            |
| green                                                                 |                                            |
| yellow                                                                |                                            |
| No                                                                    |                                            |
| 3.15 A                                                                |                                            |
| No                                                                    |                                            |
| 24 V DC ± 10%                                                         |                                            |
| 1 A                                                                   |                                            |
| 24 V DC ± 10%                                                         |                                            |
| 2 A                                                                   |                                            |
| -25...+50°C                                                           |                                            |
| -40...+60 °C                                                          |                                            |
| CE; GOSTME25                                                          |                                            |
| < 50 V AC                                                             |                                            |
| III                                                                   |                                            |
| 2                                                                     |                                            |
| 0.8 kV                                                                |                                            |
| Screw connection                                                      | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 87 mm / 87 mm                                                         | 87 mm / 87 mm                              |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

**Ordering data**

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 2W H S | 72 mm  | 9445720000 |
| RS 16IO 2W H Z | 72 mm  | 1311790000 |
| Note           |        |            |

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 2W H S | 72 mm  | 9445720000 |
| RS 16IO 2W H Z | 72 mm  | 1311790000 |
| Note           |        |            |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 2W L H S | 72 mm  | 9445730000 |
| RS 16IO 2W L H Z | 72 mm  | 1311800000 |
| Note             |        |            |

**Accessories**

|      |
|------|
| Note |
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| Note |
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| Note |
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# RS IO - Passive interface for digital signals

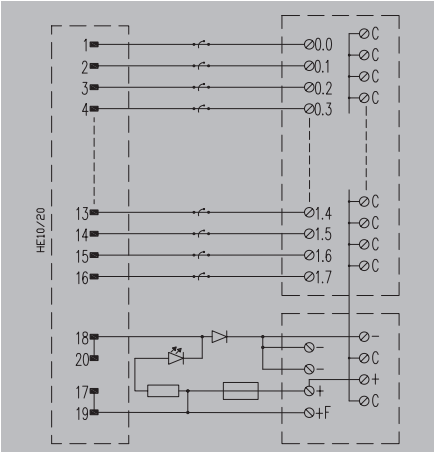
## RS IO - Interface for 16 digital signals 2-wire H system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

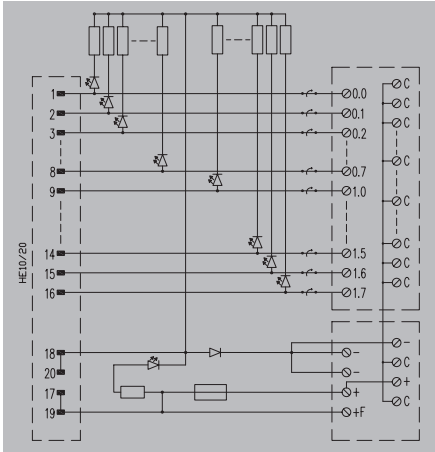
## RS 16IO 2W I H

H system, 2 wires with disconnection per channel



## RS 16IO 2W I L H

H system, 2 wires with LED and disconnection per channel



### Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |
|-----------------------------------------------------------------------|
| 20-pole plug                                                          |
| No                                                                    |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 25 V AC / 50 V DC                                                     |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| Screw connection                                                      |
| 0.13 mm² / 6 mm²                                                      |
| 0.13 mm² / 6 mm²                                                      |
| TS 32, TS 35                                                          |
| 95 mm / 87 mm                                                         |
| Tension clamp connection                                              |
| 0.13 mm² / 2.5 mm²                                                    |
| 0.13 mm² / 2.5 mm²                                                    |
| TS 32, TS 35                                                          |
| 95 mm / 87 mm                                                         |
| The common C may carry up to 3 A if the external jumpers are not used |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |
|-----------------------------------------------------------------------|
| 20-pole plug                                                          |
| green                                                                 |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 24 V DC ± 10%                                                         |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE; GOSTME25                                                          |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| Screw connection                                                      |
| 0.13 mm² / 6 mm²                                                      |
| 0.13 mm² / 6 mm²                                                      |
| TS 32, TS 35                                                          |
| 95 mm / 87 mm                                                         |
| Tension clamp connection                                              |
| 0.13 mm² / 2.5 mm²                                                    |
| 0.13 mm² / 2.5 mm²                                                    |
| TS 32, TS 35                                                          |
| 95 mm / 87 mm                                                         |
| The common C may carry up to 3 A if the external jumpers are not used |

### Ordering data

| Type                                 |
|--------------------------------------|
| Screw connection without LED         |
| Screw connection with LED            |
| Tension-clamp connection without LED |
| Tension-clamp connection with LED    |
| Note                                 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 2W I H S | 72 mm  | 1311810000 |
| RS 16IO 2W I H Z | 72 mm  | 1311820000 |
|                  |        |            |
|                  |        |            |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| RS 16IO 2W I L H S | 72 mm  | 9445750000 |
| RS 16IO 2W I L H Z | 72 mm  | 1311830000 |
|                    |        |            |
|                    |        |            |

### Accessories

| Note |
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| Note |
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| Note |
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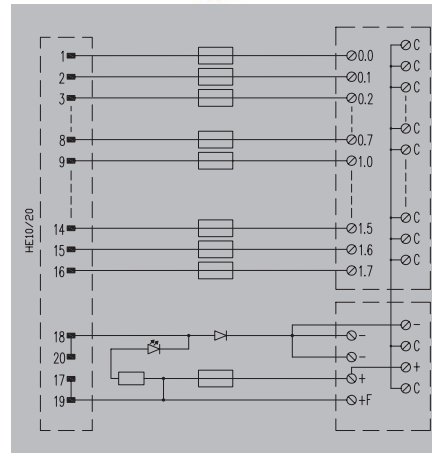
**RS IO - Interface****for 16 digital signals 2-wire H system**

Digital input/output passive interface

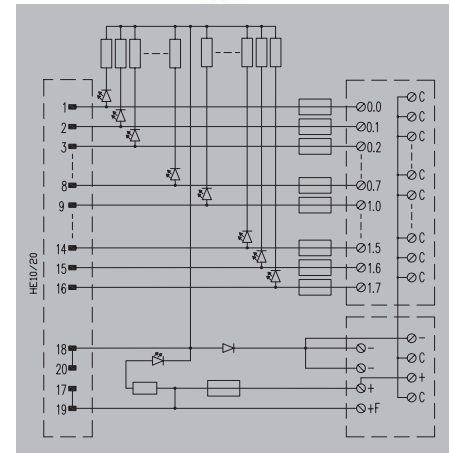
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

**RS 16IO 2W F H**

H system, 2 wires with fuse per channel

**RS 16IO 2W F-L H**

H system, 2 wires with LED and fuse per channel

**Technical data**

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| LED status display per channel      |  |
| LED status of the supply voltage    |  |
| Fuse per channel                    |  |
| Power supply fuse                   |  |
| Type of test point                  |  |
| Rated data                          |  |
| Operating voltage                   |  |
| Max. current per channel            |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated insulation voltage            |  |
| Surge voltage category              |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Connection data and functionality                                     |                                            |
|-----------------------------------------------------------------------|--------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651                          |                                            |
| 20-pole plug                                                          |                                            |
| No                                                                    |                                            |
| yellow                                                                |                                            |
| 500 mA                                                                |                                            |
| 3.15 A                                                                |                                            |
| No                                                                    |                                            |
| Rated data                                                            |                                            |
| 25 V AC / 50 V DC                                                     |                                            |
| 1 A                                                                   |                                            |
| 24 V DC ± 10%                                                         |                                            |
| 2 A                                                                   |                                            |
| General data                                                          |                                            |
| -25...+50 °C                                                          |                                            |
| -40...+60 °C                                                          |                                            |
| Insulation coordination (EN50178)                                     |                                            |
| < 50 V AC                                                             |                                            |
| III                                                                   |                                            |
| 2                                                                     |                                            |
| 0.8 kV                                                                |                                            |
| Dimensions                                                            |                                            |
| <b>Screw connection</b>                                               | <b>Tension clamp connection</b>            |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 122 mm / 87 mm                                                        | 122 mm / 87 mm                             |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

| Connection data and functionality                                     |                                            |
|-----------------------------------------------------------------------|--------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651                          |                                            |
| 20-pole plug                                                          |                                            |
| green                                                                 |                                            |
| yellow                                                                |                                            |
| 500 mA                                                                |                                            |
| 3.15 A                                                                |                                            |
| No                                                                    |                                            |
| Rated data                                                            |                                            |
| 24 V DC ± 10%                                                         |                                            |
| 1 A                                                                   |                                            |
| 24 V DC ± 10%                                                         |                                            |
| 2 A                                                                   |                                            |
| General data                                                          |                                            |
| -25...+50 °C                                                          |                                            |
| -40...+60 °C                                                          |                                            |
| CE                                                                    |                                            |
| Insulation coordination (EN50178)                                     |                                            |
| < 50 V AC                                                             |                                            |
| III                                                                   |                                            |
| 2                                                                     |                                            |
| 0.8 kV                                                                |                                            |
| Dimensions                                                            |                                            |
| <b>Screw connection</b>                                               | <b>Tension clamp connection</b>            |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 122 mm / 87 mm                                                        | 122 mm / 87 mm                             |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

**Ordering data**

| Type                                 | Height | Order No.  |
|--------------------------------------|--------|------------|
| Screw connection without LED         | 72 mm  | 9445820000 |
| Screw connection with LED            | 72 mm  | 1311850000 |
| Tension-clamp connection without LED | 72 mm  | 1311840000 |
| Tension-clamp connection with LED    | 72 mm  | 1311870000 |
| Note                                 |        |            |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 2W F H S | 72 mm  | 9445820000 |
| RS 16IO 2W F H Z | 72 mm  | 1311840000 |
| Note             |        |            |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| RS 16IO 2W F-L H S | 72 mm  | 1311850000 |
| RS 16IO 2W F-L H Z | 72 mm  | 1311870000 |
| Note               |        |            |

**Accessories**

| Note |
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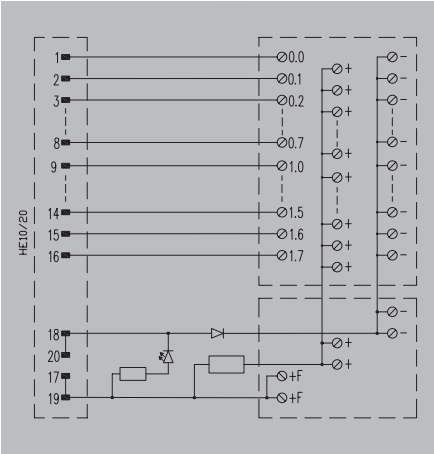
# RS IO - Passive interface for digital signals

## RS IO - Interface for 16 digital signals 3-wire H system

- Digital input/output passive interface
- 1, 2 or 3 wires
  - With LED indicator (optional)
  - With fuse or disconnection per channel (optional)
  - Fuse powered protection
  - Screw or tension clamp connection

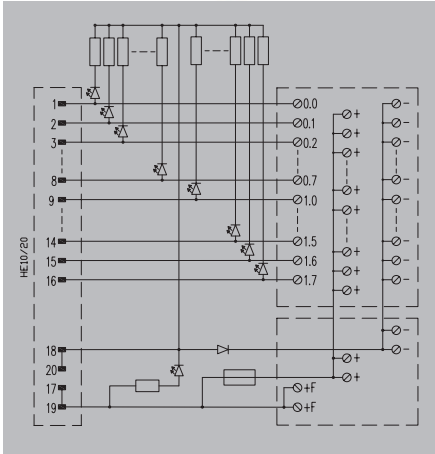
### RS 16IO 3W H

H system, 3 wires



### RS 16IO 3W L H

H system, 3 wires with LED



## Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| LED status display per channel      |  |
| LED status of the supply voltage    |  |
| Fuse per channel                    |  |
| Power supply fuse                   |  |
| Type of test point                  |  |
| Rated data                          |  |
| Operating voltage                   |  |
| Max. current per channel            |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated insulation voltage            |  |
| Surge voltage category              |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |                          |
|-----------------------------------------------------------------------|--------------------------|
| 20-pole plug                                                          |                          |
| No                                                                    |                          |
| yellow                                                                |                          |
| No                                                                    |                          |
| 3.15 A                                                                |                          |
| No                                                                    |                          |
| 25 V AC / 50 V DC                                                     |                          |
| 1 A                                                                   |                          |
| 24 V DC ± 10%                                                         |                          |
| 2 A                                                                   |                          |
| -25...+50°C                                                           |                          |
| -40...+60 °C                                                          |                          |
| CE; GOSTME25                                                          |                          |
| < 50 V AC                                                             |                          |
| III                                                                   |                          |
| 2                                                                     |                          |
| 0.8 kV                                                                |                          |
| Screw connection                                                      | Tension clamp connection |
| 0.13 mm² / 6 mm²                                                      | 0.13 mm² / 2.5 mm²       |
| 0.13 mm² / 6 mm²                                                      | 0.13 mm² / 2.5 mm²       |
| TS 32, TS 35                                                          | TS 32, TS 35             |
| 90 mm / 87 mm                                                         | 90 mm / 87 mm            |
| The common C may carry up to 3 A if the external jumpers are not used |                          |

| Plug-in connector acc. IEC 603-1 / DIN 41651                          |                          |
|-----------------------------------------------------------------------|--------------------------|
| 20-pole plug                                                          |                          |
| green                                                                 |                          |
| yellow                                                                |                          |
| No                                                                    |                          |
| 3.15 A                                                                |                          |
| No                                                                    |                          |
| 24 V DC ± 10%                                                         |                          |
| 1 A                                                                   |                          |
| 24 V DC ± 10%                                                         |                          |
| 2 A                                                                   |                          |
| -25...+50°C                                                           |                          |
| -40...+60 °C                                                          |                          |
| CE; GOSTME25                                                          |                          |
| < 50 V AC                                                             |                          |
| III                                                                   |                          |
| 2                                                                     |                          |
| 0.8 kV                                                                |                          |
| Screw connection                                                      | Tension clamp connection |
| 0.13 mm² / 6 mm²                                                      | 0.13 mm² / 2.5 mm²       |
| 0.13 mm² / 6 mm²                                                      | 0.13 mm² / 2.5 mm²       |
| TS 32, TS 35                                                          | TS 32, TS 35             |
| 90 mm / 87 mm                                                         | 90 mm / 87 mm            |
| The common C may carry up to 3 A if the external jumpers are not used |                          |

## Ordering data

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 3W H S | 72 mm  | 9445760000 |
| RS 16IO 3W H Z | 72 mm  | 1311880000 |
|                |        |            |
|                |        |            |
| Note           |        |            |

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 3W H S | 72 mm  | 9445760000 |
| RS 16IO 3W H Z | 72 mm  | 1311880000 |
|                |        |            |
|                |        |            |
| Note           |        |            |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 3W L H S | 72 mm  | 9445770000 |
| RS 16IO 3W L H Z | 72 mm  | 1311890000 |
|                  |        |            |
|                  |        |            |
| Note             |        |            |

## Accessories

| Note |
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| Note |
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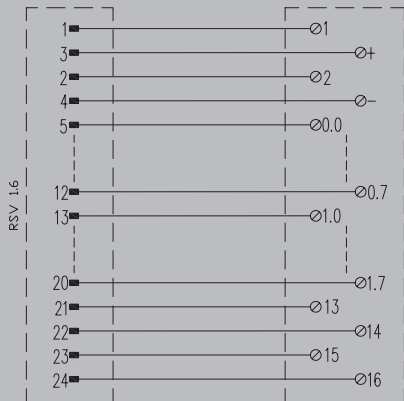
**RS IO - Interface****for 16 digital signals 1-wire R system**

Digital input/output passive interface

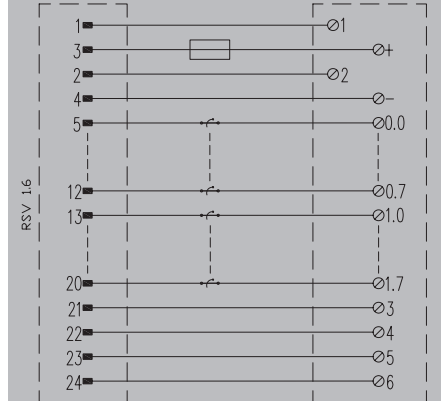
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

**RS 16IO 1W R**

R system, 1 wire

**RS 16IO 1W I R**

R system, 1 wire with disconnection per channel

**Technical data****Connection data and functionality**

Connection on control side  
 Number of poles (control side)  
 LED status display per channel  
 LED status of the supply voltage  
 Fuse per channel  
 Power supply fuse  
 Type of test point

**Rated data**

Operating voltage  
 Max. current per channel  
 Operating voltage (supply)  
 Operating current (supply)

**General data**

Ambient temperature (operational)  
 Storage temperature  
 Approvals

**Insulation coordination (EN50178)**

Rated insulation voltage  
 Surge voltage category  
 Pollution severity level  
 Pulse voltage test (1,2/50µs)

**Dimensions**

Clamping range, min. / max. [Field]  
 Clamping range, min. / max. [supply]  
 Mounting rail  
 Length x width

**Note**

Connector RSV 1.6

24-pole female

No

No

No

No

No

150 V UC

1 A

24 V DC  $\pm$  10%

3 A

-25...+50°C

-40...+60 °C

CE; GOSTME25

&lt; 150 V AC

II

2

1.5 kV

**Screw connection**0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>

TS 32, TS 35

97 mm / 87 mm

Connector RSV 1.6

24-pole female

No

No

No

3.15 A

No

250 V UC

1 A

24 V DC  $\pm$  10%

3 A

-25...+50°C

-40...+60 °C

CE; GOSTME25

&lt; 250 V AC

II

2

2.1 kV

**Screw connection**0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

TS 32, TS 35

127 mm / 87 mm

**Ordering data**

Screw connection without LED

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 1W R S | 68 mm  | 9441500000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 1W I R S | 72 mm  | 9441860000 |

**Note****Accessories****Note**

RS IO - Passive interface for digital signals

RS IO - Interface  
for 16 digital signals 2-wire R system

- Digital input/output passive interface
- 1, 2 or 3 wires
  - With LED indicator (optional)
  - With fuse or disconnection per channel (optional)
  - Fuse powered protection
  - Screw or tension clamp connection

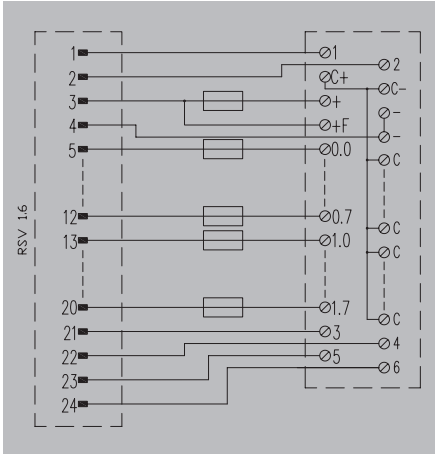
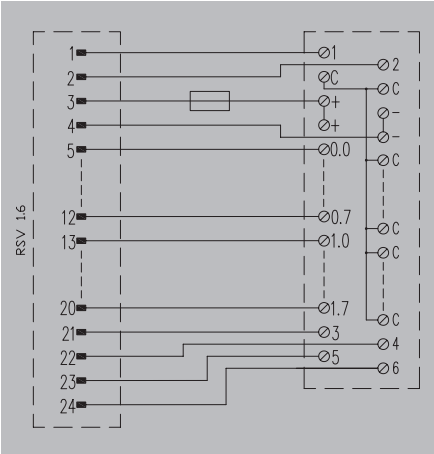
RS 16IO 2W R

R system, 2 wires



RS 16IO 2W F R

R system, 2 wires with fuse per channel



Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| LED status display per channel      |  |
| LED status of the supply voltage    |  |
| Fuse per channel                    |  |
| Power supply fuse                   |  |
| Type of test point                  |  |
| Rated data                          |  |
| Rated voltage (text)                |  |
| Max. current per channel            |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated insulation voltage            |  |
| Surge voltage category              |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Connector RSV 1.6                                                     |  |  |
|-----------------------------------------------------------------------|--|--|
| 24-pole female                                                        |  |  |
| No                                                                    |  |  |
| No                                                                    |  |  |
| No                                                                    |  |  |
| 3.15 A                                                                |  |  |
| No                                                                    |  |  |
| 150 V UC                                                              |  |  |
| 1 A                                                                   |  |  |
| 24 V DC ± 10%                                                         |  |  |
| 3 A                                                                   |  |  |
| -25...+50°C                                                           |  |  |
| -40...+60 °C                                                          |  |  |
| CE; GOSTME25                                                          |  |  |
| < 150 V AC                                                            |  |  |
| II                                                                    |  |  |
| 2                                                                     |  |  |
| 1.5 kV                                                                |  |  |
| Screw connection                                                      |  |  |
| 0.13 mm² / 2.5 mm²                                                    |  |  |
| 0.13 mm² / 2.5 mm²                                                    |  |  |
| TS 32, TS 35                                                          |  |  |
| 123 mm / 87 mm                                                        |  |  |
| The common C may carry up to 3 A if the external jumpers are not used |  |  |

| Connector RSV 1.6                                                     |  |  |
|-----------------------------------------------------------------------|--|--|
| 24-pole female                                                        |  |  |
| No                                                                    |  |  |
| No                                                                    |  |  |
| 1 A                                                                   |  |  |
| 3.15 A                                                                |  |  |
| No                                                                    |  |  |
| 150 V UC                                                              |  |  |
| 1 A                                                                   |  |  |
| 24 V DC ± 10%                                                         |  |  |
| 3 A                                                                   |  |  |
| -25...+50°C                                                           |  |  |
| -40...+60 °C                                                          |  |  |
| CE; GOSTME25                                                          |  |  |
| < 150 V AC                                                            |  |  |
| II                                                                    |  |  |
| 2                                                                     |  |  |
| 1.5 kV                                                                |  |  |
| Screw connection                                                      |  |  |
| 0.13 mm² / 2.5 mm²                                                    |  |  |
| 0.13 mm² / 2.5 mm²                                                    |  |  |
| TS 32, TS 35                                                          |  |  |
| 123 mm / 109 mm                                                       |  |  |
| The common C may carry up to 3 A if the external jumpers are not used |  |  |

Ordering data

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 16IO 2W R S | 72 mm  | 9441700000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 2W F R S | 72 mm  | 9441560000 |

|      |
|------|
| Note |
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| Note |
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Accessories

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| Note |
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| Note |
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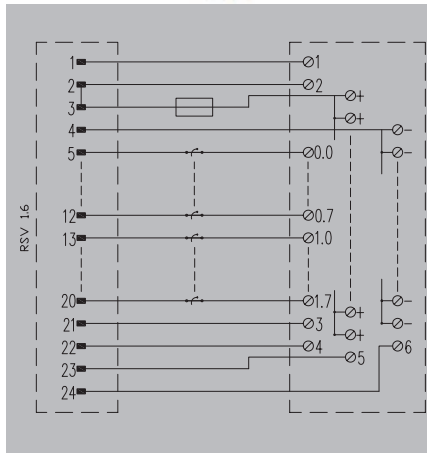
## RS IO - Interface for 16 digital signals 3-wire R system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

### RS 16IO 3W I R

R system, 3 wires with disconnection per channel



## Technical data

| Connection data and functionality                                     |                                          |
|-----------------------------------------------------------------------|------------------------------------------|
| Connection on control side                                            | Connector RSV 1.6                        |
| Number of poles (control side)                                        | 24-pole female                           |
| LED status display per channel                                        | No                                       |
| LED status of the supply voltage                                      | No                                       |
| Fuse per channel                                                      | No                                       |
| Power supply fuse                                                     | 3.15 A                                   |
| Type of test point                                                    | No                                       |
| Rated data                                                            |                                          |
| Operating voltage                                                     | 250 V UC                                 |
| Max. current per channel                                              | 1 A                                      |
| Operating voltage (supply)                                            | 24 V DC $\pm$ 10%                        |
| Operating current (supply)                                            | 3 A                                      |
| General data                                                          |                                          |
| Ambient temperature (operational)                                     | -25...+50°C                              |
| Storage temperature                                                   | -40...+60 °C                             |
| Approvals                                                             | CE, GOSTME25                             |
| Insulation coordination (EN50178)                                     |                                          |
| Rated insulation voltage                                              | 250 V AC                                 |
| Surge voltage category                                                | II                                       |
| Pollution severity level                                              | 2                                        |
| Pulse voltage test (1,2/50 $\mu$ s)                                   | 2.1 kV                                   |
| Dimensions                                                            |                                          |
| Clamping range, min. /max. [Field]                                    | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Clamping range, min. /max. [supply]                                   | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                                                         | TS 32, TS 35                             |
| Length x width                                                        | 116 mm / 109 mm                          |
| Note                                                                  |                                          |
| The common C may carry up to 3 A if the external jumpers are not used |                                          |

## Ordering data

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 16IO 3W I R S | 84 mm  | 9441600000 |

Screw connection without LED

## Note

## Accessories

## Note

# RS IO - Passive interface for digital signals

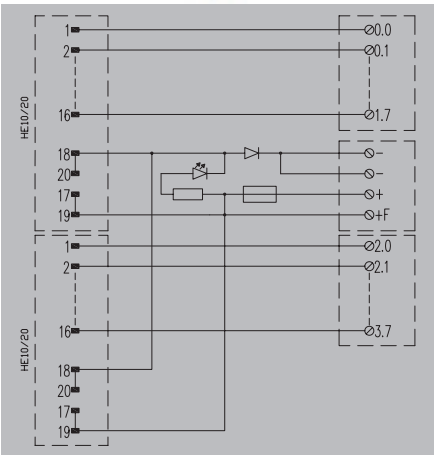
## RS IO - Interface for 32 digital signals 1-wire H system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

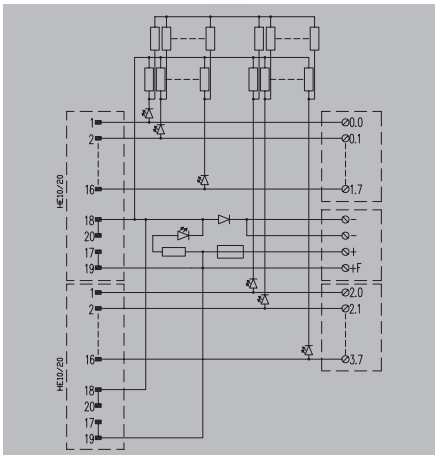
### RS 32IO 1W H

H system, 1 wire



### RS 32IO 1W L H

H system, 1 wire with LED



## Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Connection data and functionality               |
|-------------------------------------------------|
| 2x Plug-in connector acc. IEC 603-1 / DIN 41651 |
| 2x20-pole plug                                  |
| No                                              |
| yellow                                          |
| No                                              |
| 3.15 A                                          |
| No                                              |
| Rated data                                      |
| 25 V AC / 50 V DC                               |
| 1 A                                             |
| 24 V DC ± 10%                                   |
| 2 A                                             |
| General data                                    |
| -25...+50°C                                     |
| -40...+60 °C                                    |
| CE                                              |
| Insulation coordination (EN50178)               |
| < 50 V AC                                       |
| III                                             |
| 2                                               |
| 0.8 kV                                          |
| Screw connection                                |
| 0.13 mm² / 6 mm²                                |
| 0.13 mm² / 6 mm²                                |
| TS 32, TS 35                                    |
| 90 mm / 87 mm                                   |

| Connection data and functionality               |
|-------------------------------------------------|
| 2x Plug-in connector acc. IEC 603-1 / DIN 41651 |
| 2x20-pole plug                                  |
| green                                           |
| yellow                                          |
| No                                              |
| 3.15 A                                          |
| No                                              |
| Rated data                                      |
| 24 V DC ± 10%                                   |
| 1 A                                             |
| 24 V DC ± 10%                                   |
| 2 A                                             |
| General data                                    |
| -25...+50°C                                     |
| -40...+60 °C                                    |
| CE                                              |
| Insulation coordination (EN50178)               |
| < 50 V AC                                       |
| III                                             |
| 2                                               |
| 0.8 kV                                          |
| Screw connection                                |
| 0.13 mm² / 6 mm²                                |
| 0.13 mm² / 6 mm²                                |
| TS 32, TS 35                                    |
| 90 mm / 87 mm                                   |

## Ordering data

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 32IO 1W H S | 72 mm  | 9445900000 |

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|------|
| Note |
|------|

## Accessories

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| Note |
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| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 32IO 1W H S | 72 mm  | 9445900000 |

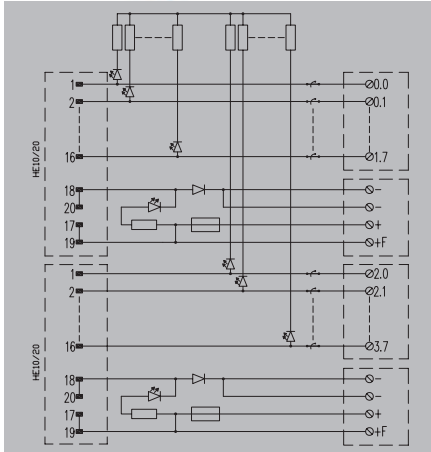
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| Note |
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| Note |
|------|

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 1W L H S | 72 mm  | 9445910000 |

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| Note |
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| Note |
|------|

**RS 32IO 1W I-L H****H system, 1 wire with LED and disconnection per channel**

2x Plug-in connector acc. IEC 603-1 / DIN 41651

2x20-pole plug

green

yellow

No

3.15 A

No

24 V DC  $\pm 10\%$ 

1 A

24 V DC  $\pm 10\%$ 

2 A

-25...+50°C

-40...+60 °C

CE

&lt; 50 V AC

III

2

0.8 kV

**Screw connection**0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

TS 32, TS 35

220 mm / 87 mm

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| RS 32IO 1W I-L H S | 72 mm  | 9445870000 |

# RS IO - Passive interface for digital signals

## RS IO - Interface for 32 digital signals 2-wire H system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

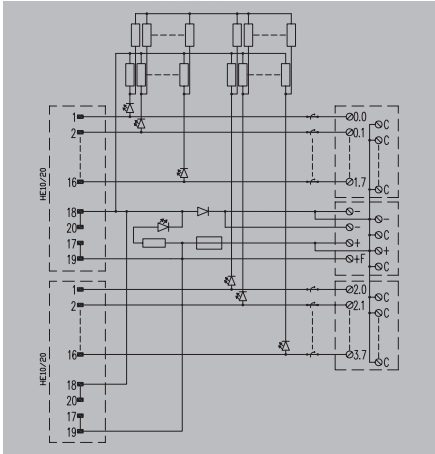
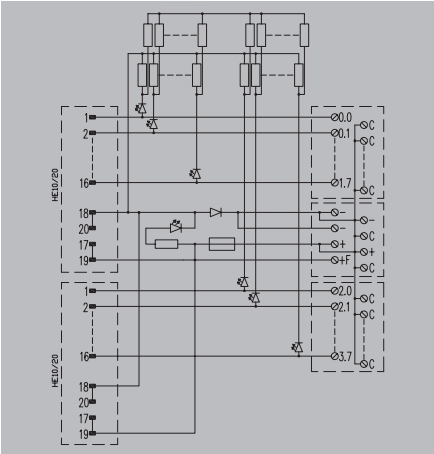
### RS 32IO 2W L H

H system, 2 wires with LED



### RS 32IO 2W I-L H

H system, 2 wires with LED and disconnection per channel



## Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| 2x Plug-in connector acc. IEC 603-1 / DIN 41651                       |
|-----------------------------------------------------------------------|
| 2x20-pole plug                                                        |
| green                                                                 |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 24 V DC ± 10%                                                         |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| Screw connection                                                      |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| TS 32, TS 35                                                          |
| 170 mm / 87 mm                                                        |
| The common C may carry up to 3 A if the external jumpers are not used |

| 2x Plug-in connector acc. IEC 603-1 / DIN 41651                       |
|-----------------------------------------------------------------------|
| 2x20-pole plug                                                        |
| green                                                                 |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 24 V DC ± 10%                                                         |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| Screw connection                                                      |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| TS 32, TS 35                                                          |
| 170 mm / 87 mm                                                        |
| The common C may carry up to 3 A if the external jumpers are not used |

## Ordering data

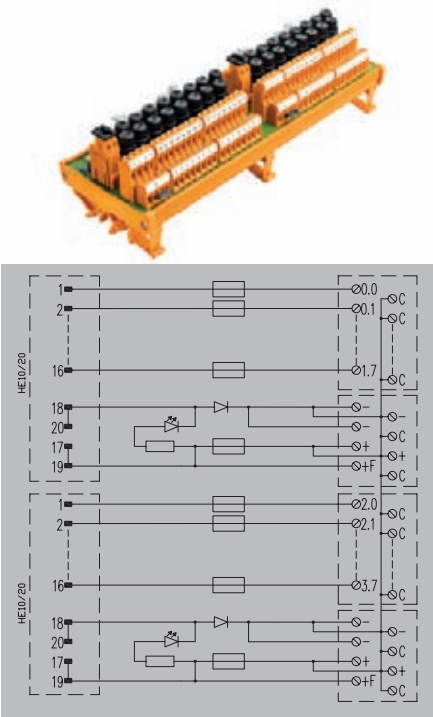
|                    |                              |
|--------------------|------------------------------|
|                    | Screw connection without LED |
|                    | Screw connection with LED    |
| <b>Note</b>        |                              |
| <b>Accessories</b> |                              |
| <b>Note</b>        |                              |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 2W L H S | 72 mm  | 9445930000 |
|                  |        |            |
|                  |        |            |
|                  |        |            |
|                  |        |            |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 2W L H S | 72 mm  | 9445950000 |
|                  |        |            |
|                  |        |            |
|                  |        |            |
|                  |        |            |

RS 32IO 2W F H

H system, 2 wires with fuse per channel



|                                                                       |
|-----------------------------------------------------------------------|
| 2x Plug-in connector acc. IEC 603-1 / DIN 41651                       |
| 2x20-pole plug                                                        |
| No                                                                    |
| yellow                                                                |
| 500 mA                                                                |
| 3.15 A                                                                |
| No                                                                    |
| 25 V AC / 50 V DC                                                     |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| <b>Screw connection</b>                                               |
| 0.13 mm² / 6 mm²                                                      |
| 0.13 mm² / 6 mm²                                                      |
| TS 32, TS 35                                                          |
| 248 mm / 87 mm                                                        |
| The common C may carry up to 3 A if the external jumpers are not used |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 2W F H S | 72 mm  | 9445980000 |

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|  |

## RS IO - Passive interface for digital signals

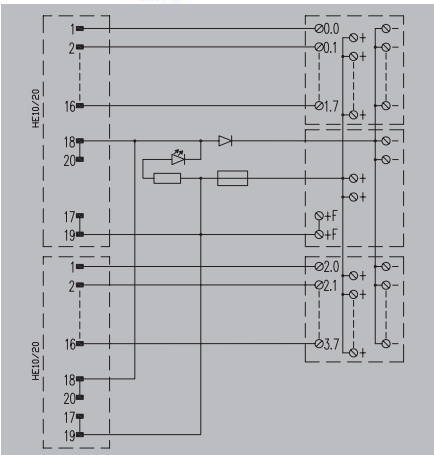
### RS IO - Interface for 32 digital signals 3-wire H system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

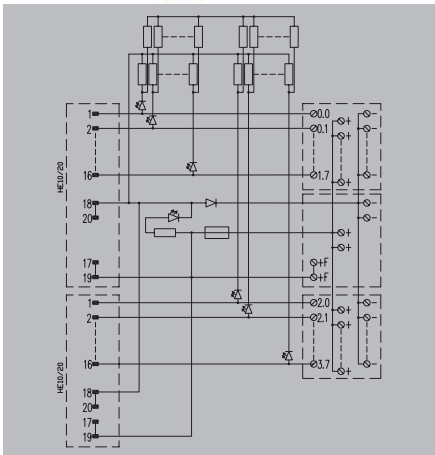
#### RS 32IO 3W H

H system, 3 wires



#### RS 32IO 3W L H

H system, 3 wires with LED



### Technical data

| Connection data and functionality    |  |
|--------------------------------------|--|
| Connection on control side           |  |
| Number of poles (control side)       |  |
| LED status display per channel       |  |
| LED status of the supply voltage     |  |
| Fuse per channel                     |  |
| Power supply fuse                    |  |
| Type of test point                   |  |
| Rated data                           |  |
| Operating voltage                    |  |
| Max. current per channel             |  |
| Operating voltage (supply)           |  |
| Operating current (supply)           |  |
| General data                         |  |
| Ambient temperature (operational)    |  |
| Storage temperature                  |  |
| Approvals                            |  |
| Insulation coordination (EN50178)    |  |
| Rated insulation voltage             |  |
| Surge voltage category               |  |
| Pollution severity level             |  |
| Pulse voltage test (1,2/50µs)        |  |
| Dimensions                           |  |
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

|                                                                       |
|-----------------------------------------------------------------------|
| 2x Plug-in connector acc. IEC 603-1 / DIN 41651                       |
| 2x20-pole plug                                                        |
| No                                                                    |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
|                                                                       |
| 25 V AC / 50 V DC                                                     |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
|                                                                       |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
|                                                                       |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
|                                                                       |
| <b>Screw connection</b>                                               |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| TS 32, TS 35                                                          |
| 176 mm / 87 mm                                                        |
| The common C may carry up to 3 A if the external jumpers are not used |

|                                                                       |
|-----------------------------------------------------------------------|
| 2x Plug-in connector acc. IEC 603-1 / DIN 41651                       |
| 2x20-pole plug                                                        |
| green                                                                 |
| yellow                                                                |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 24 V DC ± 10%                                                         |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 2 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
| < 50 V AC                                                             |
| III                                                                   |
| 2                                                                     |
| 0.8 kV                                                                |
| <b>Screw connection</b>                                               |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |
| TS 32, TS 35                                                          |
| 176 mm / 87 mm                                                        |
| The common C may carry up to 3 A if the external jumpers are not used |

### Ordering data

|  |                              |
|--|------------------------------|
|  | Screw connection without LED |
|  | Screw connection with LED    |

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 32IO 3W H S | 72 mm  | 9445960000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 3W L H S | 72 mm  | 9445970000 |

| Note |
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| Note |
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| Note |
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### Accessories

| Note |
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| Note |
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| Note |
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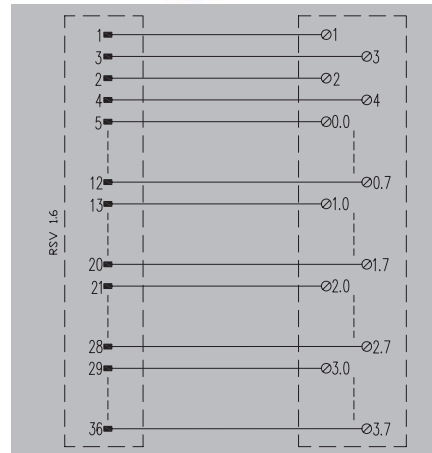
**RS IO - Interface****for 32 digital signals 1-wire R system**

Digital input/output passive interface

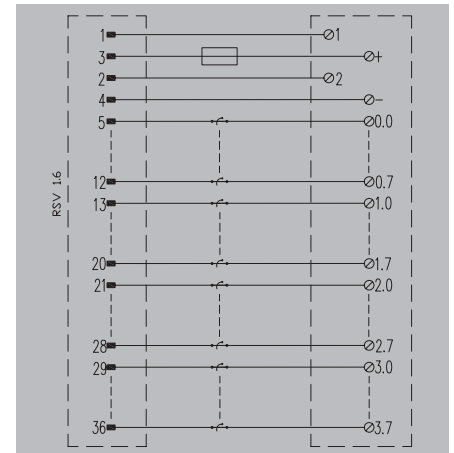
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

**RS 32IO 1W R**

R system, 1 wire

**RS 32IO 1W I R**

R system, 1 wire with disconnection per channel

**Technical data**

| Connection data and functionality    |  |
|--------------------------------------|--|
| Connection on control side           |  |
| Number of poles (control side)       |  |
| LED status display per channel       |  |
| LED status of the supply voltage     |  |
| Fuse per channel                     |  |
| Power supply fuse                    |  |
| Type of test point                   |  |
| Rated data                           |  |
| Operating voltage                    |  |
| Max. current per channel             |  |
| Operating voltage (supply)           |  |
| Operating current (supply)           |  |
| General data                         |  |
| Ambient temperature (operational)    |  |
| Storage temperature                  |  |
| Approvals                            |  |
| Insulation coordination (EN50178)    |  |
| Rated insulation voltage             |  |
| Surge voltage category               |  |
| Pollution severity level             |  |
| Pulse voltage test (1,2/50µs)        |  |
| Dimensions                           |  |
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

| Connector RSV 1.6                          |  |
|--------------------------------------------|--|
| 36-pole female                             |  |
| No                                         |  |
| No                                         |  |
| No                                         |  |
| No                                         |  |
| No                                         |  |
| Rated data                                 |  |
| 150 V UC                                   |  |
| 1 A                                        |  |
| 24 V DC ± 10%                              |  |
| 3 A                                        |  |
| General data                               |  |
| -25...+50°C                                |  |
| -40...+60 °C                               |  |
| CE                                         |  |
| Insulation coordination                    |  |
| < 150 V AC                                 |  |
| II                                         |  |
| 2                                          |  |
| 1.5 kV                                     |  |
| Screw connection                           |  |
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |  |
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |  |
| TS 32, TS 35                               |  |
| 148 mm / 87 mm                             |  |

| Connector RSV 1.6                        |  |
|------------------------------------------|--|
| 36-pole female                           |  |
| No                                       |  |
| No                                       |  |
| No                                       |  |
| 3.15 A                                   |  |
| No                                       |  |
| Rated data                               |  |
| 250 V UC                                 |  |
| 1 A                                      |  |
| 24 V DC ± 10%                            |  |
| 3 A                                      |  |
| General data                             |  |
| -25...+50°C                              |  |
| -40...+60 °C                             |  |
| CE                                       |  |
| Insulation coordination                  |  |
| < 250 V AC                               |  |
| II                                       |  |
| 2                                        |  |
| 2.1 kV                                   |  |
| Screw connection                         |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |  |
| TS 32, TS 35                             |  |
| 188 mm / 87 mm                           |  |

**Ordering data**

|                              |
|------------------------------|
| Screw connection without LED |
|------------------------------|

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 32IO 1W R S | 72 mm  | 9441510000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 1W I R S | 72 mm  | 9441870000 |

| Note |
|------|
|------|

**Accessories**

| Note |
|------|
|------|

# RS IO - Passive interface for digital signals

## RS IO - Interface for 32 digital signals 2-wire R system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

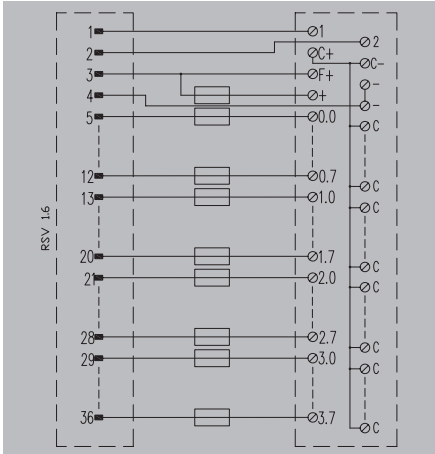
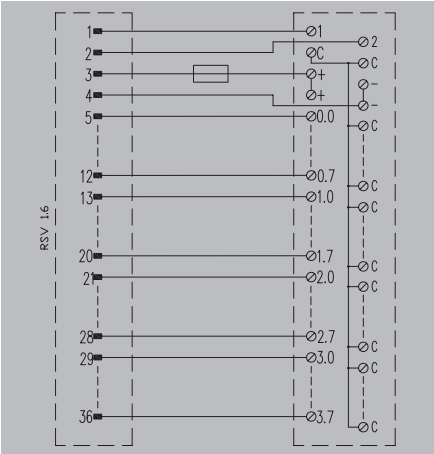
### RS 32IO 2W R

R system, 2 wires



### RS 32IO 2W F R

R system, 2 wires with fuse per channel



## Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Type of test point                  |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Connector RSV 1.6                                                     |
|-----------------------------------------------------------------------|
| 36-pole female                                                        |
| No                                                                    |
| No                                                                    |
| No                                                                    |
| 3.15 A                                                                |
| No                                                                    |
| 150 V UC                                                              |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 3 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
| < 150 V AC                                                            |
| II                                                                    |
| 2                                                                     |
| 1.5 kV                                                                |
| Screw connection                                                      |
| 0.13 mm² / 2.5 mm²                                                    |
| 0.13 mm² / 2.5 mm²                                                    |
| TS 32, TS 35                                                          |
| 200 mm / 87 mm                                                        |
| The common C may carry up to 3 A if the external jumpers are not used |

| Connector RSV 1.6                                                     |
|-----------------------------------------------------------------------|
| 36-pole female                                                        |
| No                                                                    |
| No                                                                    |
| 2 A                                                                   |
| 3.15 A                                                                |
| No                                                                    |
| 150 V UC                                                              |
| 1 A                                                                   |
| 24 V DC ± 10%                                                         |
| 3 A                                                                   |
| -25...+50°C                                                           |
| -40...+60 °C                                                          |
| CE                                                                    |
| < 150 V AC                                                            |
| II                                                                    |
| 2                                                                     |
| 1.5 kV                                                                |
| Screw connection                                                      |
| 0.13 mm² / 6 mm²                                                      |
| 0.13 mm² / 6 mm²                                                      |
| TS 32, TS 35                                                          |
| 200 mm / 109 mm                                                       |
| The common C may carry up to 3 A if the external jumpers are not used |

## Ordering data

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 32IO 2W R S | 72 mm  | 9441710000 |

| Note |
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|------|

## Accessories

| Note |
|------|
|------|

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS 32IO 2W R S | 72 mm  | 9441710000 |

| Note |
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| Note |
|------|
|------|

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS 32IO 2W F R S | 84 mm  | 9441570000 |

| Note |
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| Note |
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|------|

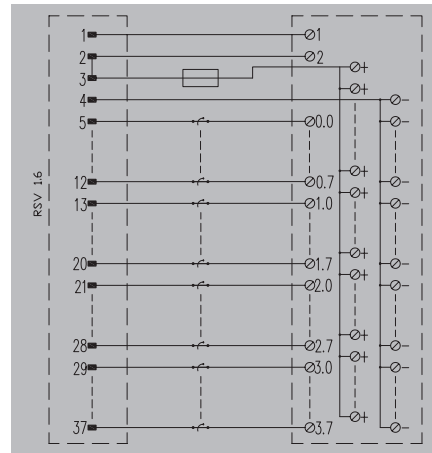
## RS IO - Interface for 32 digital signals 3-wire R system

Digital input/output passive interface

- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

### RS 32IO 3W I R

R system, 3 wires with disconnection per channel



# RS A – Selection guide for passive interfaces for analogue signals

| Type of Interface                                                                                                              |                                      | Features                                                                          |                                                                                   |                                                                                                                               |                |                    | Interfaces |                                         |      |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|-----------------------------------------|------|
| Number of channels                                                                                                             | Family                               | Connection                                                                        |                                                                                   | Common distribution                                                                                                           | Disconnectable | Test points        | Order No.  | Type                                    | Page |
|                                                                                                                                |                                      | Screw                                                                             | Tension clamp connection                                                          |                                                                                                                               |                |                    |            |                                         |      |
| 4-channels                                                                                                                     | A1504                                |  |                                                                                   | TTTT                                                                                                                          |                |                    | 9448000000 | RS 4AI0 DP SD S                         | A.61 |
|                                                                                                                                |                                      |                                                                                   |  | TTTT                                                                                                                          |                |                    | 1308230000 | RS 4AI0 DP SD Z                         | A.61 |
|                                                                                                                                |                                      |  |                                                                                   | TTTT                                                                                                                          | ↔              | !                  | 9448100000 | RS 4AI0 I-M-DP SD S                     | A.61 |
|                                                                                                                                |                                      |                                                                                   |  | TTTT                                                                                                                          | ↔              | !                  | 1308240000 | RS 4AI0 I-M-DP SD Z                     | A.61 |
| 4-channels M                                                                                                                   | A1504M                               |  |                                                                                   |                                                                                                                               |                |                    | 1289090000 | RS 4AI0 DP-M258 SD S                    | A.62 |
|                                                                                                                                |                                      |                                                                                   |                                                                                   |                                                                                                                               |                |                    |            |                                         |      |
| 8-channel                                                                                                                      | A2508                                |  |                                                                                   | TTTT                                                                                                                          |                |                    | 9448010000 | RS 8AI0 DP SD S                         | A.63 |
|                                                                                                                                |                                      |                                                                                   |  | TTTT                                                                                                                          |                |                    | 1308250000 | RS 8AI0 DP SD Z                         | A.63 |
|                                                                                                                                |                                      |  |                                                                                   | TTTT                                                                                                                          | ↔              | !                  | 9448110000 | RS 8AI0 I-M-DP SD S                     | A.63 |
|                                                                                                                                |                                      |                                                                                   |  | TTTT                                                                                                                          | ↔              | !                  | 9449110000 | RS 8AI0 I-M-DP SD Z                     | A.63 |
|                                                                                                                                |                                      |                                                                                   |                                                                                   |                                                                                                                               |                |                    |            |                                         |      |
| 8-channel P                                                                                                                    | A2508P                               |  |                                                                                   | TTTT                                                                                                                          | ↔              |                    | 9448030000 | RS 8AI PREM/APR SD S                    | A.64 |
|                                                                                                                                |                                      |                                                                                   |                                                                                   |                                                                                                                               |                |                    |            |                                         |      |
| 8-channel M                                                                                                                    | A2508M                               |  |                                                                                   |                                                                                                                               |                |                    | 9448040000 | RS 8AI1AO MICRO SD S                    | A.64 |
|                                                                                                                                |                                      |                                                                                   |                                                                                   |                                                                                                                               |                |                    |            |                                         |      |
| 16-channel                                                                                                                     | A3716                                |  |                                                                                   | TTTT                                                                                                                          |                |                    | 9448020000 | RS 16AI0 DP SD S                        | A.65 |
|                                                                                                                                |                                      |                                                                                   |  | TTTT                                                                                                                          |                |                    | 1308270000 | RS 16AI0 DP SD Z                        | A.65 |
|                                                                                                                                |                                      |  |                                                                                   | TTTT                                                                                                                          | ↔              | !                  | 9448120000 | RS 16AI0 I-M-DP SD S                    | A.65 |
|                                                                                                                                |                                      |                                                                                   |  | TTTT                                                                                                                          | ↔              | !                  | 1308280000 | RS 16AI0 I-M-DP SD Z                    | A.65 |
|                                                                                                                                |                                      |                                                                                   |                                                                                   |                                                                                                                               |                |                    |            |                                         |      |
| Note:                                                                                                                          | Coding of the interface descriptions |                                                                                   |                                                                                   |                                                                                                                               |                |                    |            |                                         |      |
| RS 4AI0: 4 inputs/outputs<br>8AI0: 8 inputs/outputs<br>8AI: 8 inputs<br>8AI1AO: 8 inputs/1 outputs<br>16AI0: 16 inputs/outputs |                                      | DP: Power distribution (empty)                                                    |                                                                                   | I-M: Switch + Test point<br>M258: For Schneider M258<br>PREM/APR: For Schneider Premium<br>MICRO: For Schneider Micro (empty) |                | SD connector SUB-D |            | S: Screw<br>Z: Tension clamp connection |      |

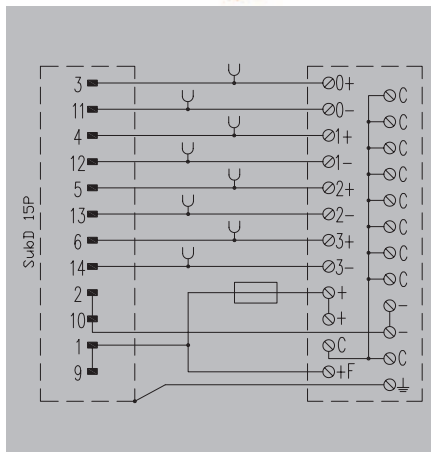
## RS A - Passive interface for 4 analogue signals

Analogue input/output passive interface:

- With test points or disconnection per channel (optional)
- Screw or tension clamp connection

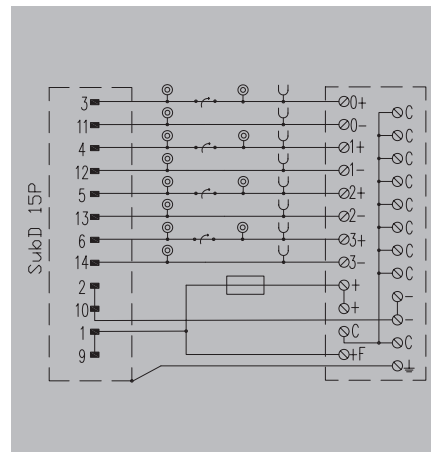
### RS 4AI0 DP SD

4 channels



### RS 4AI0 I-M-DP SD

4 channels, test points and disconnection per channel



## Technical data

| Connection data and functionality |  |
|-----------------------------------|--|
| Connection on control side        |  |
| Number of poles (control side)    |  |
| LED status display per channel    |  |
| LED status of the supply voltage  |  |
| Power supply fuse                 |  |
| Type of test point                |  |
| Rated data                        |  |
| Operating voltage                 |  |
| Max. current per channel          |  |
| Operating voltage (supply)        |  |
| Operating current (supply)        |  |
| General data                      |  |
| Ambient temperature (operational) |  |
| Storage temperature               |  |
| Approvals                         |  |
| Insulation coordination (EN50178) |  |
| Rated insulation voltage          |  |
| Surge voltage category            |  |
| Pollution severity level          |  |
| Pulse voltage test (1,2/50µs)     |  |

| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |  |
|------------------------------------------------------|--|
| 15-pole plug                                         |  |
| No                                                   |  |
| No                                                   |  |
| 3.15 A                                               |  |
| No                                                   |  |
| Rated data                                           |  |
| ≤ 25 V AC / 50 V DC                                  |  |
| 0.5 A                                                |  |
| 24 V DC ± 10%                                        |  |
| 3 A                                                  |  |
| General data                                         |  |
| -20...+50°C                                          |  |
| -40...+60 °C                                         |  |
| CE                                                   |  |
| Insulation coordination (EN50178)                    |  |
| < 50 V AC                                            |  |
| III                                                  |  |
| 2                                                    |  |
| 0.8 kV                                               |  |

| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |  |
|------------------------------------------------------|--|
| 15-pole plug                                         |  |
| No                                                   |  |
| No                                                   |  |
| 3.15 A                                               |  |
| Diameter: 4 mm                                       |  |
| Rated data                                           |  |
| ≤ 25 V AC / 50 V DC                                  |  |
| 0.5 A                                                |  |
| 24 V DC ± 10%                                        |  |
| 3 A                                                  |  |
| General data                                         |  |
| -20...+50°C                                          |  |
| -40...+60 °C                                         |  |
| CE                                                   |  |
| Insulation coordination (EN50178)                    |  |
| < 50 V AC                                            |  |
| III                                                  |  |
| 2                                                    |  |
| 0.8 kV                                               |  |

| Dimensions                           |  |
|--------------------------------------|--|
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

| Screw connection                                                      | Tension clamp connection                   |
|-----------------------------------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 75 mm / 87 mm                                                         | 75 mm / 87 mm                              |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

| Screw connection                                                      | Tension clamp connection                   |
|-----------------------------------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 73 mm / 109 mm                                                        | 73 mm / 109 mm                             |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

## Ordering data

|                          |  |
|--------------------------|--|
| Screw connection         |  |
| Tension clamp connection |  |

| Type            | Height | Order No.  |
|-----------------|--------|------------|
| RS 4AI0 DP SD S | 72 mm  | 9448000000 |
| RS 4AI0 DP SD Z | 72 mm  | 1308230000 |

| Type                | Height | Order No.  |
|---------------------|--------|------------|
| RS 4AI0 I-M-DP SD S | 81 mm  | 9448100000 |
| RS 4AI0 I-M-DP SD Z | 81 mm  | 1308240000 |

| Note |
|------|
|------|

## Accessories

| Note |
|------|
|------|

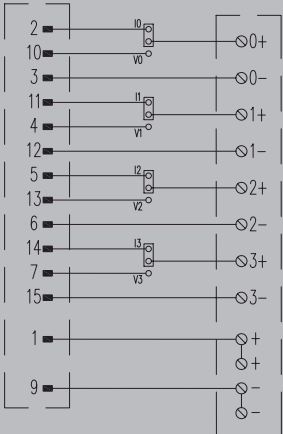
RS A - Passive interface for analogue signals

**RSA - Interface**  
**for 4 analogue signals for Schneider M258**

- Analogue input/output passive interface:
- With test points or disconnection per channel (optional)
  - Screw or tension clamp connection

**RS 4AI0 DP-M258 SD**

4 channels for M258 (Schneider), config. by voltage or current



**Technical data**

| Connection data and functionality |  |
|-----------------------------------|--|
| Connection on control side        |  |
| Number of poles (control side)    |  |
| LED status display per channel    |  |
| LED status of the supply voltage  |  |
| Power supply fuse                 |  |
| Type of test point                |  |
| Rated data                        |  |
| Operating voltage                 |  |
| Max. current per channel          |  |
| Operating voltage (supply)        |  |
| Operating current (supply)        |  |
| General data                      |  |
| Ambient temperature (operational) |  |
| Storage temperature               |  |
| Approvals                         |  |
| Insulation coordination (EN50178) |  |
| Rated insulation voltage          |  |
| Surge voltage category            |  |
| Pollution severity level          |  |
| Pulse voltage test (1,2/50µs)     |  |

|                                                      |
|------------------------------------------------------|
| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |
| 15-pole plug                                         |
| No                                                   |
| No                                                   |
| No                                                   |
| No                                                   |
| ≤ 25 V AC / 50 V DC                                  |
| 0.5 A                                                |
| 24 V DC ± 10%                                        |
| 3 A                                                  |
| -20...+50°C                                          |
| -40...+60 °C                                         |
| CE                                                   |
| < 50 V AC                                            |
| III                                                  |
| 2                                                    |
| 0.8 kV                                               |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Screw connection                         |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| TS 32, TS 35                             |
| 45 mm / 70 mm                            |

**Ordering data**

|                  |
|------------------|
| Screw connection |
|------------------|

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| RS 4AI0 DP-M258 SD S | 60 mm  | 1289090000 |

| Note |
|------|
|------|

| Accessories |
|-------------|
| Note        |

| Note |
|------|
|------|

| Note |
|------|
|------|

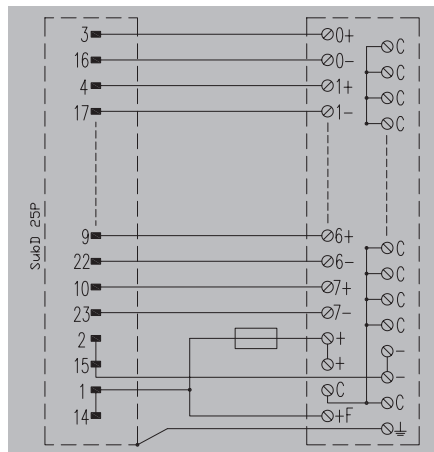
## RSA - Interface for 8 analogue signals

Analogue input/output passive interface:

- With test points or disconnection per channel (optional)
- Screw or tension clamp connection

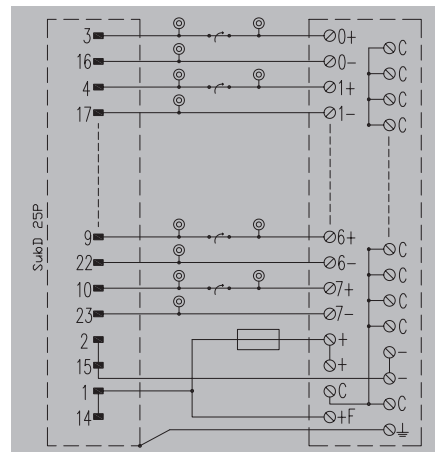
### RS 8AIO DP SD

8 channels



### RS 8AIO I-M-DP SD

8 channels, test points and disconnection per channel



## Technical data

| Connection data and functionality |                     |
|-----------------------------------|---------------------|
| Connection on control side        |                     |
| Number of poles (control side)    |                     |
| LED status display per channel    |                     |
| LED status of the supply voltage  |                     |
| Power supply fuse                 |                     |
| Type of test point                |                     |
| Rated data                        |                     |
| Operating voltage                 | ≤ 25 V AC / 50 V DC |
| Max. current per channel          | 0.5 A               |
| Operating voltage (supply)        | 24 V DC ± 10%       |
| Operating current (supply)        | 3 A                 |
| General data                      |                     |
| Ambient temperature (operational) | -20...+50°C         |
| Storage temperature               | -40...+60 °C        |
| Approvals                         | CE; GOSTME25        |
| Insulation coordination (EN50178) |                     |
| Rated insulation voltage          | < 50 V AC           |
| Surge voltage category            | III                 |
| Pollution severity level          | 2                   |
| Pulse voltage test (1,2/50µs)     | 0.8 kV              |

| Dimensions                           |  |
|--------------------------------------|--|
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

## Ordering data

|                          |  |
|--------------------------|--|
| Screw connection         |  |
| Tension clamp connection |  |

| Screw connection                                                      | Tension clamp connection                   |
|-----------------------------------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 117 mm / 87 mm                                                        | 117 mm / 87 mm                             |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

| Type            | Height | Order No.  |
|-----------------|--------|------------|
| RS 8AIO DP SD S | 72 mm  | 9448010000 |
| RS 8AIO DP SD Z | 72 mm  | 1308250000 |

Note

## Accessories

Note

| Connection data and functionality                    |                     |
|------------------------------------------------------|---------------------|
| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |                     |
| 25-pole plug                                         |                     |
| No                                                   |                     |
| No                                                   |                     |
| 3.15 A                                               |                     |
| Diameter: 4 mm                                       |                     |
| Rated data                                           |                     |
| Operating voltage                                    | ≤ 25 V AC / 50 V DC |
| Max. current per channel                             | 0.5 A               |
| Operating voltage (supply)                           | 24 V DC ± 10%       |
| Operating current (supply)                           | 3 A                 |
| General data                                         |                     |
| Ambient temperature (operational)                    | -20...+50°C         |
| Storage temperature                                  | -40...+60 °C        |
| Approvals                                            | CE; GOSTME25        |
| Insulation coordination (EN50178)                    |                     |
| Rated insulation voltage                             | < 50 V AC           |
| Surge voltage category                               | III                 |
| Pollution severity level                             | 2                   |
| Pulse voltage test (1,2/50µs)                        | 0.8 kV              |

| Screw connection                                                      | Tension clamp connection                   |
|-----------------------------------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                                          | TS 32, TS 35                               |
| 114 mm / 109 mm                                                       | 114 mm / 109 mm                            |
| The common C may carry up to 3 A if the external jumpers are not used |                                            |

| Type                | Height | Order No.  |
|---------------------|--------|------------|
| RS 8AIO I-M-DP SD S | 81 mm  | 9448110000 |
| RS 8AIO I-M-DP SD Z | 81 mm  | 9449110000 |

Note

Note

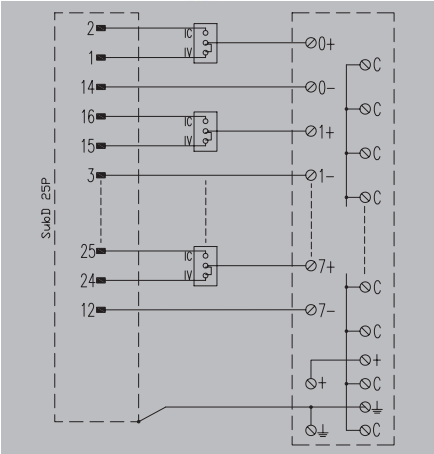
# RS A - Passive interface for analogue signals

## RSA - Interface for 8 and 9 analogue signals for Schneider Micro/Premium

- Analogue input/output passive interface:
- With test points or disconnection per channel (optional)
  - Screw or tension clamp connection

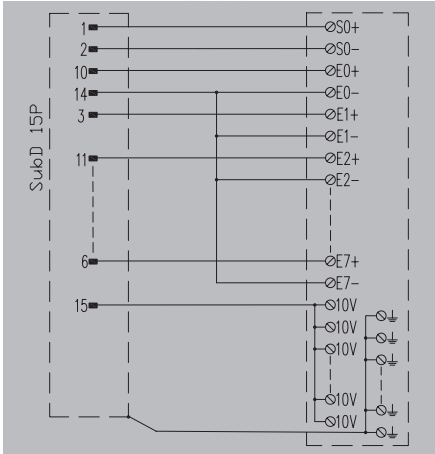
### RS 8AI PREM/APR SD

8 channels for Premium (Schneider) config. by volt. or current



### RS 8AI1AO MICRO SD

9 channels for Micro (Schneider)



## Technical data

| Connection data and functionality |  |
|-----------------------------------|--|
| Connection on control side        |  |
| Number of poles (control side)    |  |
| LED status display per channel    |  |
| LED status of the supply voltage  |  |
| Power supply fuse                 |  |
| Type of test point                |  |
| Rated data                        |  |
| Operating voltage                 |  |
| Max. current per channel          |  |
| Operating voltage (supply)        |  |
| Operating current (supply)        |  |
| General data                      |  |
| Ambient temperature (operational) |  |
| Storage temperature               |  |
| Approvals                         |  |
| Insulation coordination (EN50178) |  |
| Rated insulation voltage          |  |
| Surge voltage category            |  |
| Pollution severity level          |  |
| Pulse voltage test (1,2/50µs)     |  |

| Dimensions                           |  |
|--------------------------------------|--|
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

## Ordering data

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| RS 8AI PREM/APR SD S | 72 mm  | 9448030000 |

| Note |
|------|
|------|

| Accessories |
|-------------|
| Note        |

| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |  |
|------------------------------------------------------|--|
| 25-pole plug                                         |  |
| No                                                   |  |
| No                                                   |  |
| No                                                   |  |
| No                                                   |  |
| Rated data                                           |  |
| ≤ 25 V AC / 50 V DC                                  |  |
| 0.5 A                                                |  |
| 24 V DC ± 10%                                        |  |
| 3 A                                                  |  |
| General data                                         |  |
| -20...+50°C                                          |  |
| -40...+60 °C                                         |  |
| CE; GOSTME25                                         |  |
| Insulation coordination (EN50178)                    |  |
| < 50 V AC                                            |  |
| III                                                  |  |
| 2                                                    |  |
| 0.8 kV                                               |  |

| Screw connection                                                      |  |
|-----------------------------------------------------------------------|--|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>                              |  |
| TS 32, TS 35                                                          |  |
| 116 mm / 87 mm                                                        |  |
| The common C may carry up to 3 A if the external jumpers are not used |  |

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| RS 8AI1AO MICRO SD S | 72 mm  | 9448040000 |

| Note |
|------|
|------|

| Accessories |
|-------------|
| Note        |

| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |  |
|------------------------------------------------------|--|
| 15-pole plug                                         |  |
| No                                                   |  |
| No                                                   |  |
| No                                                   |  |
| No                                                   |  |
| Rated data                                           |  |
| ≤ 25 V AC / 50 V DC                                  |  |
| 0.5 A                                                |  |
| 24 V DC ± 10%                                        |  |
| 3 A                                                  |  |
| General data                                         |  |
| -20...+50°C                                          |  |
| -40...+60 °C                                         |  |
| CE; GOSTME25                                         |  |
| Insulation coordination (EN50178)                    |  |
| < 50 V AC                                            |  |
| III                                                  |  |
| 2                                                    |  |
| 0.8 kV                                               |  |

| Screw connection                         |  |
|------------------------------------------|--|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |  |
| TS 32, TS 35                             |  |
| 100 mm / 87 mm                           |  |

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| RS 8AI1AO MICRO SD S | 72 mm  | 9448040000 |

| Note |
|------|
|------|

| Accessories |
|-------------|
| Note        |



## RSM – Selection guide for insulated interfaces for digital input signals

| Type of Interface  |        | Features                                                                          |                                                                                   |                                                                                   |         | Interfaces |                  |      |
|--------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|------------|------------------|------|
| Number of channels | Family | Design                                                                            | Connection                                                                        |                                                                                   | Voltage | Order No.  | Type             | Page |
|                    |        |                                                                                   | Screw                                                                             | Tension clamp connection                                                          |         |            |                  |      |
| 16-channel         | I2016  |  |  |                                                                                   | 24 V DC | 1312000000 | RSM-16DI 24VDC S | A.67 |
|                    |        |  |                                                                                   |  | 24 V DC | 1312010000 | RSM-16DI 24VDC Z | A.67 |
|                    |        |  |  |                                                                                   | 48 V DC | 1312020000 | RSM-16DI 48VDC S | A.68 |
|                    |        |  |                                                                                   |  | 48 V DC | 1312030000 | RSM-16DI 48VDC Z | A.68 |
| Note               |        |                                                                                   |                                                                                   |                                                                                   |         |            |                  |      |

RSM - isolated interfaces  
for 16 digital input signals

Relay digital input interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system:

- Electrical insulation using pluggable relays (interchangeable with solid-state relays; MICROSERIES family)

RSM-16 DI 24 V DC

6 mm relays; 24 V DC AU



Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. DC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category input/input    |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |  |
|----------------------------------------------|--|
| 20-pole plug                                 |  |
| RSS                                          |  |
| green                                        |  |
| yellow                                       |  |
| 2 A                                          |  |
| Input data                                   |  |
| 24 V DC ± 10%                                |  |
| 13 mA                                        |  |
| 24 V DC ± 10%                                |  |
| 2 A                                          |  |
| Output data                                  |  |
| AgNi, gold flashed                           |  |
| 24 V DC ± 10%                                |  |
| 0.1 A                                        |  |
| 1 mA                                         |  |
| 1 V                                          |  |
| 5 x 10 <sup>6</sup> switching cycles         |  |
| General data                                 |  |
| -20...+50°C                                  |  |
| -20...+70 °C                                 |  |
| CE                                           |  |
| Insulation coordination (EN50178)            |  |
| ≤ 50 V DC                                    |  |
| ≤ 50 V DC                                    |  |
| III                                          |  |
| III                                          |  |
| 2                                            |  |
| 1.5 kV                                       |  |
| 0.35 kVAC                                    |  |
| ≥ 6 mm                                       |  |
| Screw connection                             |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| TS 32, TS 35                                 |  |
| 124 mm / 109 mm                              |  |
| Tension clamp connection                     |  |
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup>   |  |
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup>   |  |
| TS 32, TS 35                                 |  |
| 124 mm / 109 mm                              |  |
| Note                                         |  |

Ordering data

|                                         |  |
|-----------------------------------------|--|
| Screw connection without switch         |  |
| Tension-clamp connection without switch |  |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RSM-16DI 24VDC S | 72 mm  | 1312000000 |
| RSM-16DI 24VDC Z | 72 mm  | 1312010000 |

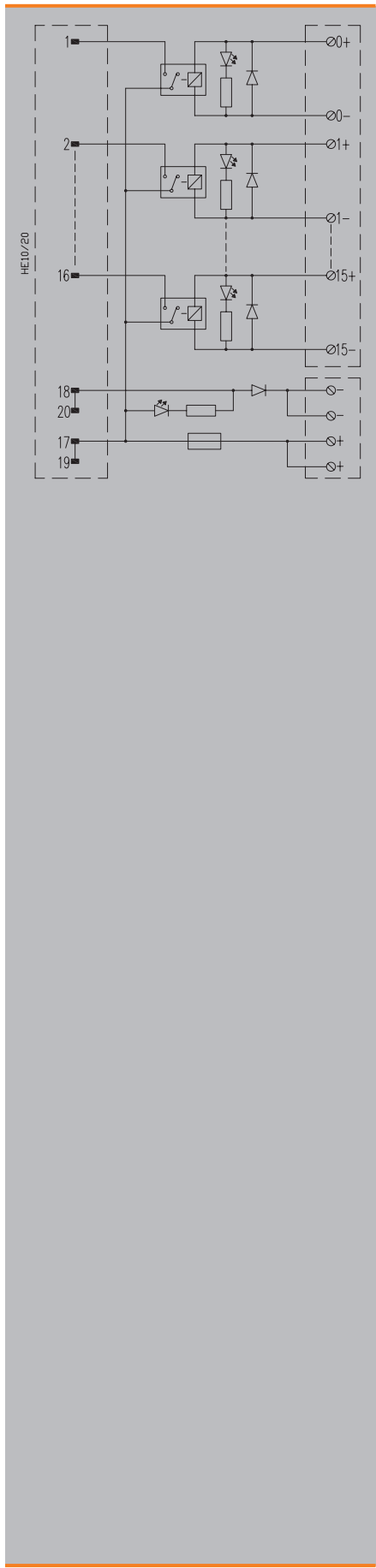
| Note |
|------|
|------|

Accessories

| Note |
|------|
|------|

| Note |
|------|
|------|

|                                     |
|-------------------------------------|
| Relay 4061590000 RSS 24 V DC 1CD AU |
|-------------------------------------|



# RSM - isolated interfaces for digital input signals

## RSM - isolated interfaces for 16 digital input signals

Relay digital input interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system:

- Electrical insulation using pluggable relays (interchangeable with solid-state relays; MICROSERIES family)

### RSM-16 DI 48 V DC

6 mm relays; 48 V DC AU



### Technical data

#### Connection data and functionality

Connection on control side  
Number of poles (control side)  
Relay type  
LED status display per relay  
LED status of the supply voltage  
Power supply fuse

#### Nominal input data

Input voltage  
Input current  
Operating voltage (supply)  
Operating current (supply)

#### Nominal output data

Contact material  
Operating voltage  
Max. DC continuous current  
Minimum contact current  
Minimum contact voltage  
Mechanical service life

#### General data

Ambient temperature (operational)  
Storage temperature  
Approvals

#### Insulation coordination (EN50178)

Rated input insulation voltage  
Rated output insulation voltage  
Overvoltage category input/output  
Overvoltage category input/input  
Pollution severity level  
Pulse voltage test (1,2/50µs)  
Insulation test voltage  
Clearance input/output

#### Dimensions

Clamping range, min. /max. [Field]  
Clamping range, min. /max. [supply]  
Mounting rail  
Length x width

#### Note

### Ordering data

Screw connection without switch  
Tension-clamp connection without switch

#### Note

### Accessories

#### Note

Plug-in connector acc. IEC 603-1 / DIN 41651

20-pole plug

RSS

green

yellow

2 A

48 V DC ± 10%

10 mA

24 V DC ± 10%

2 A

AgNi, gold flashed

24 V DC ± 10%

0.1 A

2 mA

5 V

10 x 10<sup>6</sup> switching cycles

-20...+50°C

-20...+70 °C

CE

≤ 50 V DC

≤ 50 V DC

III

III

2

1.5 kV

0.35 kVAC

≥ 6 mm

#### Screw connection

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

TS 32, TS 35

124 mm / 109 mm

#### Tension clamp connection

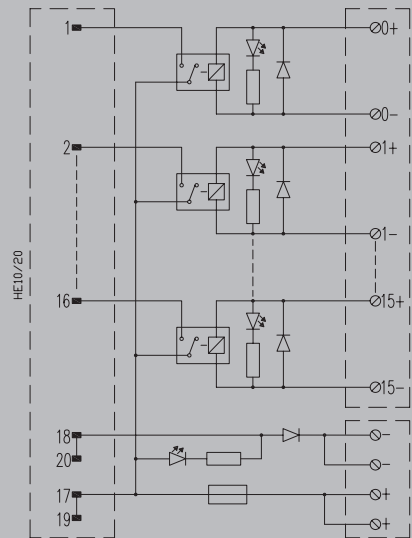
0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>

0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>

TS 32, TS 35

124 mm / 109 mm

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RSM-16DI 48VDC S | 72 mm  | 1312020000 |
| RSM-16DI 48VDC Z | 72 mm  | 1312030000 |





# RSM – Selection guide for insulated interfaces for digital output signals

| Type of Interface  |        | Features |            |                          |               |                 |      |               |                  | Interfaces |                       |      |
|--------------------|--------|----------|------------|--------------------------|---------------|-----------------|------|---------------|------------------|------------|-----------------------|------|
| Number of channels | Family | Design   | Connection |                          | Voltage       | Type of contact | Fuse | Switch (coil) | Switch (contact) | Order No.  | Type                  | Page |
|                    |        |          | Screw      | Tension clamp connection |               |                 |      |               |                  |            |                       |      |
| 8-channel          | 02008  |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1128970000 | RSM-8 PLC C 1CO S     | A.71 |
|                    |        |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1128990000 | RSM-8 PLC C SW 1CO S  | A.71 |
|                    |        |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1128980000 | RSM-8 PLC C 1CO Z     | A.71 |
|                    |        |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1129000000 | RSM-8 PLC C SW 1CO Z  | A.71 |
|                    |        | 2 lines  |            |                          | 24 V DC       | 1CO             |      |               |                  | 9445000000 | RSM-8 C 1CO S         | A.72 |
|                    |        | 2 lines  |            |                          | 24 V DC       | 1CO             |      |               |                  | 9447000000 | RSM-8 C 1CO Z         | A.72 |
| 12-channel         | 02012  |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1289100000 | RSM-12 PLC C 1CO S    | A.73 |
|                    |        | 2 lines  |            |                          | 24 V DC       | 1CO             |      |               |                  | 9445060000 | RSM-12 C 1CO S        | A.74 |
| 16-channel         | 02016  |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1129010000 | RSM-16 PLC C 1CO S    | A.75 |
|                    |        |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1129030000 | RSM-16 PLC C SW 1CO S | A.75 |
|                    |        |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1129020000 | RSM-16 PLC C 1CO Z    | A.75 |
|                    |        |          |            |                          | 24 V DC       | 1CO             |      |               |                  | 1129040000 | RSM-16 PLC C SW 1CO Z | A.75 |
|                    |        | 1 line   |            |                          | 24 V DC (+/-) | 1CO             |      |               |                  | 1129100000 | RSM-16 PLC 1CO S      | A.76 |
|                    |        | 1 line   |            |                          | 24 V DC (+/-) | 1CO             |      |               |                  | 1129120000 | RSM-16 PLC SW 1CO S   | A.76 |
|                    |        | 1 line   |            |                          | 24 V DC (+/-) | 1CO             |      |               |                  | 1129110000 | RSM-16 PLC 1CO Z      | A.76 |
|                    |        | 1 line   |            |                          | 24 V DC (+/-) | 1CO             |      |               |                  | 1129130000 | RSM-16 PLC SW 1CO Z   | A.76 |
|                    |        | 2 lines  |            |                          | 24 V DC       | 1CO             |      |               |                  | 9445100000 | RSM-16 C 1CO S        | A.77 |
|                    |        | 2 lines  |            |                          | 24 V DC       | 1CO             |      |               |                  | 9447100000 | RSM-16 C 1CO Z        | A.77 |
|                    |        | 1 line   |            |                          | 24 V DC       | 1CO             |      |               |                  | 9444610000 | RSM-16 24V(-/+) 1CO S | A.78 |
|                    |        | 1 line   |            |                          | 24 V DC       | 1CO             |      |               |                  | 9444660000 | RSM-16 24V(-/+) 1CO Z | A.78 |
|                    |        | 1 line   |            |                          | 24 V DC       | 2CO             |      |               |                  | 9445160000 | RSM-16 2CO S          | A.79 |
|                    |        | 1 line   |            |                          | 24 V DC       | 2CO             |      |               |                  | 9447160000 | RSM-16 2CO Z          | A.79 |
|                    |        | 1 line   |            |                          | 24 V DC       | 1CO             |      |               |                  | 9445120000 | RSM-16 FUS 1CO S      | A.80 |
|                    |        | 1 line   |            |                          | 24 V DC       | 1CO             |      |               |                  | 9447120000 | RSM-16 FUS 1CO Z      | A.80 |
|                    |        | 1 line   |            |                          | 24 V DC       | 1CO             |      |               |                  | 9445140000 | RSM-16 FOR 1CO S      | A.81 |

**Note 1:** Design: 1 line 2 lines

Relays with 6 mm relay

RCL Relays arranged in 1 single line

RCL relays (arranged in 2 rows)

**Note 2:** Voltage: Modules indicated with 24 V DC (+/-) can function as positive or negative and can function with negative logic PLC cards

RSM - Interfaces  
for 8 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

RSM-8 PLC C 1CO

6 mm relay with 1 CO contact and switch



Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
| 20-pole plug                                 |                                            |
| RSS                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
|                                              |                                            |
| 24 V DC ± 10%                                |                                            |
| 13 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
|                                              |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 2.5 A                                        |                                            |
| 0.1 A                                        |                                            |
| 5 V                                          |                                            |
| 5 x 10 <sup>6</sup> switching cycles         |                                            |
|                                              |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| 250 V AC                                     |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 1.2 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
| <b>Screw connection</b>                      | <b>Tension clamp connection</b>            |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 75 mm / 109 mm                               | 75 mm / 109 mm                             |
|                                              |                                            |

Ordering data

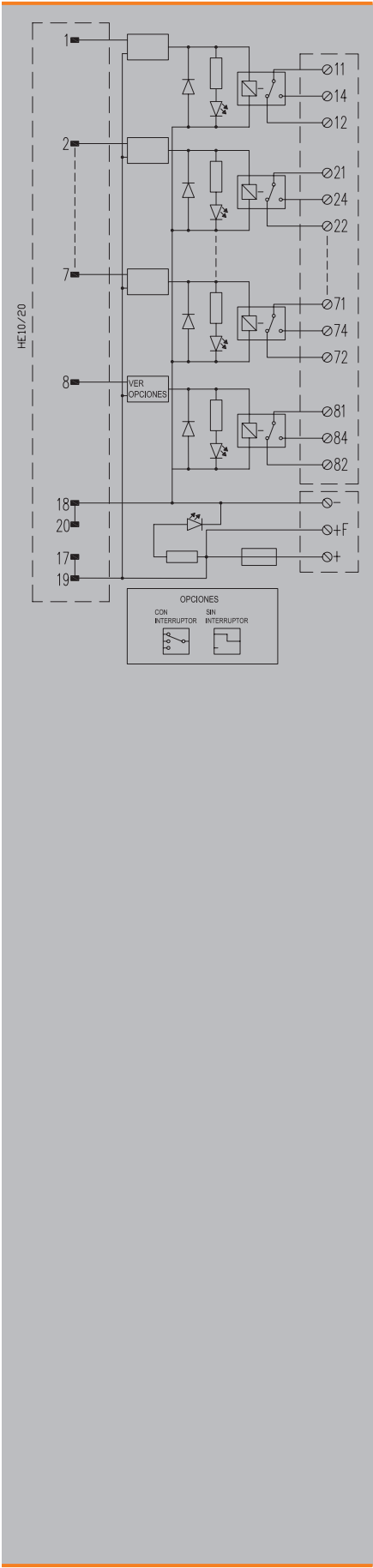
|                                         |
|-----------------------------------------|
| Screw connection without switch         |
| Screw connection with switch            |
| Tension-clamp connection without switch |
| Tension-clamp connection with switch    |
| <b>Note</b>                             |

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| RSM-8 PLC C 1CO S    | 85 mm  | 1128970000 |
| RSM-8 PLC C SW 1CO S | 85 mm  | 1128990000 |
| RSM-8 PLC C 1CO Z    | 80 mm  | 1128980000 |
| RSM-8 PLC C SW 1CO Z | 80 mm  | 1129000000 |

Accessories

| Note |
|------|
|------|

|                                  |
|----------------------------------|
| Relay 4060120000 RSS 24 V DC 1CO |
|----------------------------------|



# RSM - isolated interfaces for digital output signals

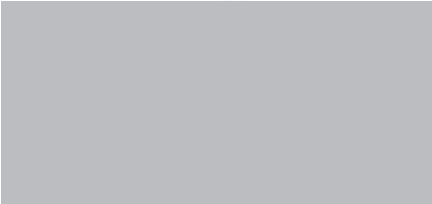
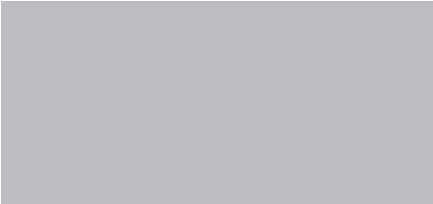
## RSM - Interfaces for 8 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

### RSM-8 C 1C

RCL relays (arranged in 2 rows) with 1 CO contact



### Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 20-pole plug                                 |                                            |
| RCL                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 3.15 A                                       |                                            |
|                                              |                                            |
| 24 V DC ± 10%                                |                                            |
| 20 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
|                                              |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 5 A                                          |                                            |
| 0.01 A                                       |                                            |
| 12 V                                         |                                            |
| 3 x 10 <sup>7</sup> switching cycles         |                                            |
|                                              |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE; GOSTME25                                 |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| < 250 V AC                                   |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 1.2 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
|                                              |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 35, TS 32                                 | TS 35, TS 32                               |
| 110 mm / 109 mm                              | 110 mm / 109 mm                            |
|                                              |                                            |

### Ordering data

| Screw connection without switch         |  |
|-----------------------------------------|--|
| Screw connection with switch            |  |
| Tension-clamp connection without switch |  |
| Tension-clamp connection with switch    |  |
| Note                                    |  |

| Type          | Height | Order No.  |
|---------------|--------|------------|
| RSM-8 C 1CO S | 68 mm  | 9445000000 |
| RSM-8 C 1CO Z | 68 mm  | 9447000000 |
|               |        |            |

### Accessories

| Note |
|------|
|------|

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1CO |
|----------------------------------------|



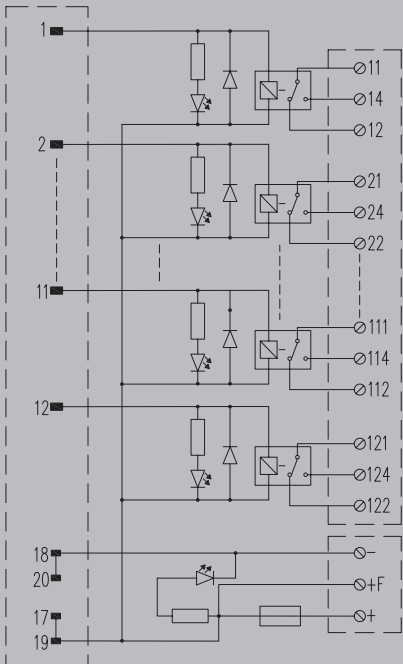
RSM - Interfaces  
for 12 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

RSM-12 PLC 1C

6 mm relay with 1 C0 contact



Technical data

| Connection data and functionality   |                                          |
|-------------------------------------|------------------------------------------|
| Connection on control side          |                                          |
| Number of poles (control side)      |                                          |
| Relay type                          |                                          |
| LED status display per relay        |                                          |
| LED status of the supply voltage    |                                          |
| Fuse per relay                      |                                          |
| Power supply fuse                   |                                          |
| Nominal input data                  |                                          |
| Input voltage                       | 24 V DC ± 10%                            |
| Input current                       | 13 mA                                    |
| Operating voltage (supply)          | 24 V DC ± 10%                            |
| Operating current (supply)          | 2 A                                      |
| Nominal output data                 |                                          |
| Contact material                    | AgNi 90/10                               |
| Operating voltage                   | 250 V AC                                 |
| Max. AC continuous current          | 2.5 A                                    |
| Minimum contact current             | 0.1 A                                    |
| Minimum contact voltage             | 5 V                                      |
| Mechanical service life             | 5 x 10 <sup>6</sup> switching cycles     |
| General data                        |                                          |
| Ambient temperature (operational)   | -25...+50°C                              |
| Storage temperature                 | -40...+60 °C                             |
| Approvals                           |                                          |
| Insulation coordination (EN50178)   |                                          |
| Rated input insulation voltage      | < 50 V AC                                |
| Rated output insulation voltage     | 250 V AC                                 |
| Overvoltage category input/output   | III                                      |
| Overvoltage category output/output  | II                                       |
| Pollution severity level            | 2                                        |
| Pulse voltage test (1,2/50µs)       | 6 kV                                     |
| Insulation test voltage             | 1.2 kVAC                                 |
| Clearance input/output              | ≥ 5.5 mm                                 |
| Dimensions                          |                                          |
| Clamping range, min. /max. [Field]  | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Clamping range, min. /max. [supply] | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                       | TS 32, TS 35                             |
| Length x width                      | 95 mm / 109 mm                           |
| Note                                |                                          |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |  |
|----------------------------------------------|--|
| 20-pole plug                                 |  |
| RSS                                          |  |
| green                                        |  |
| yellow                                       |  |
| No                                           |  |
| 2.5 A                                        |  |
| Screw connection                             |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| TS 32, TS 35                                 |  |
| 95 mm / 109 mm                               |  |

Ordering data

|                                 |
|---------------------------------|
| Screw connection without switch |
|---------------------------------|

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| RSM-12 PLC C 1C0 S | 85 mm  | 1289100000 |

| Note |
|------|
|------|

Accessories

| Note |
|------|
|------|

|                                  |
|----------------------------------|
| Relay 4060120000 RSS 24 V DC 1C0 |
|----------------------------------|

RSM - isolated interfaces for digital output signals

RSM - Interfaces  
for 12 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

RSM-12 C 1CO S

RCL relays (arranged in 2 rows) with 1 CO contact



Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

Ordering data

|  |                                 |
|--|---------------------------------|
|  |                                 |
|  | Screw connection without switch |

| Note |
|------|
|------|

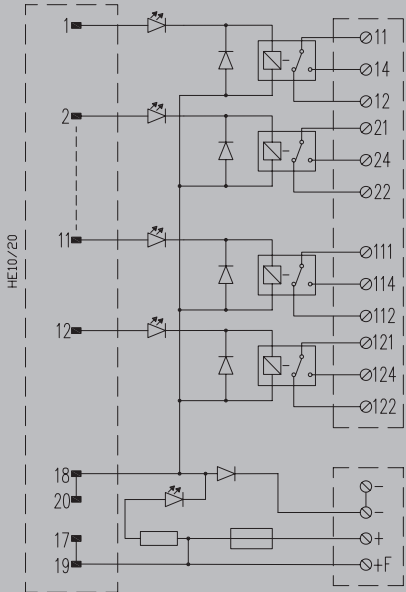
Accessories

| Note |
|------|
|------|

| Plug-in connector acc. IEC 603-1 / DIN 41651 |  |
|----------------------------------------------|--|
| 20-pole plug                                 |  |
| RCL                                          |  |
| green                                        |  |
| yellow                                       |  |
| No                                           |  |
| 3.15 A                                       |  |
|                                              |  |
| 24 V DC ± 10%                                |  |
| 20 mA                                        |  |
| 24 V DC ± 10%                                |  |
| 2 A                                          |  |
|                                              |  |
| AgNi 90/10                                   |  |
| 250 V AC                                     |  |
| 5 A                                          |  |
| 0.01 A                                       |  |
| 12 V                                         |  |
| 3 x 10 <sup>7</sup> switching cycles         |  |
|                                              |  |
| -25...+40°C                                  |  |
| -40...+60 °C                                 |  |
| CE; GOSTME25                                 |  |
|                                              |  |
| < 50 V AC                                    |  |
| < 250 V AC                                   |  |
| III                                          |  |
| II                                           |  |
| 2                                            |  |
| 6 kV                                         |  |
| 1.2 kVAC                                     |  |
| ≥ 5.5 mm                                     |  |
| Screw connection                             |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| TS 35, TS 32                                 |  |
| 147 mm / 109 mm                              |  |
|                                              |  |

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RSM-12 C 1CO S | 68 mm  | 9445060000 |

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1CO |
|----------------------------------------|



RSM - Interfaces  
for 16 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

Ordering data

|      | Screw connection without switch         |
|------|-----------------------------------------|
|      | Screw connection with switch            |
|      | Tension-clamp connection without switch |
|      | Tension-clamp connection with switch    |
| Note |                                         |

Accessories

| Note |
|------|
|------|

RSM-16 PLC C 1C0

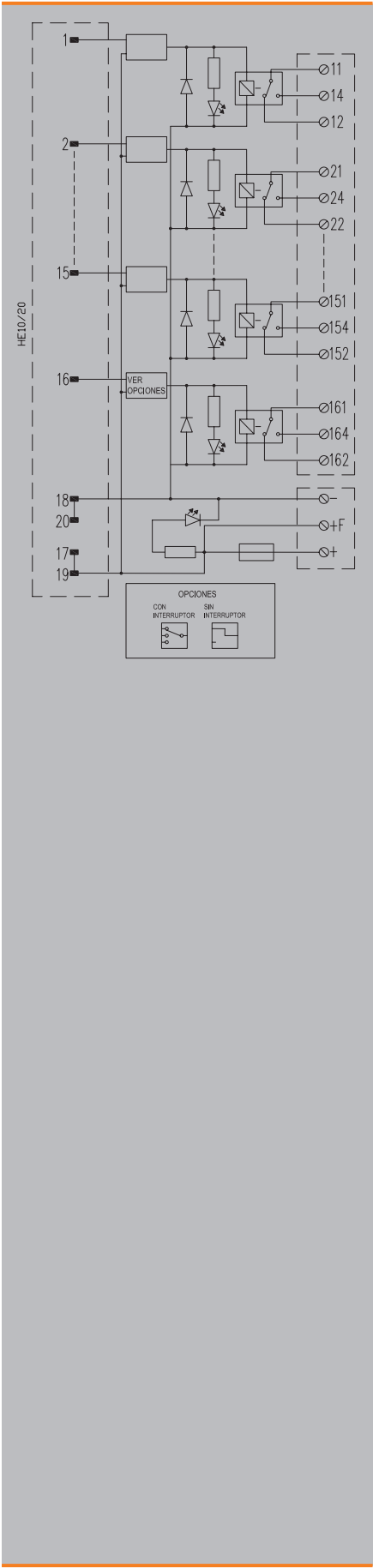
6 mm relay with 1 C0 contact and switch



| Technical data                               |                                            |
|----------------------------------------------|--------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
| 20-pole plug                                 |                                            |
| RSS                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
| Nominal input data                           |                                            |
| 24 V DC ± 10%                                |                                            |
| 13 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
| Nominal output data                          |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 2.5 A                                        |                                            |
| 0.1 A                                        |                                            |
| 5 V                                          |                                            |
| 5 x 10 <sup>6</sup> switching cycles         |                                            |
| General data                                 |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
| Insulation coordination (EN50178)            |                                            |
| < 50 V AC                                    |                                            |
| 250 V AC                                     |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 1.2 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
| Dimensions                                   |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 111 mm / 109 mm                              | 111 mm / 109 mm                            |
| Note                                         |                                            |

| Type                  | Height | Order No.  |
|-----------------------|--------|------------|
| RSM-16 PLC C 1C0 S    | 85 mm  | 1129010000 |
| RSM-16 PLC C SW 1C0 S | 85 mm  | 1129030000 |
| RSM-16 PLC C 1C0 Z    | 80 mm  | 1129020000 |
| RSM-16 PLC C SW 1C0 Z | 80 mm  | 1129040000 |

|                                  |
|----------------------------------|
| Relay 4060120000 RSS 24 V DC 1C0 |
|----------------------------------|



# RSM - isolated interfaces for digital output signals

## RSM - Interfaces for 16 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

### RSM-16 PLC 1CO

6 mm relay with 1 CO contact and switch



## Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 20-pole plug                                 |                                            |
| RCL                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
|                                              |                                            |
| 24 V DC ± 10%                                |                                            |
| 22 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
|                                              |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 6 A                                          |                                            |
| 0.01 A                                       |                                            |
| 12 V                                         |                                            |
| 3 x 10 <sup>7</sup> switching cycles         |                                            |
|                                              |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| 250 V AC                                     |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 1.2 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
|                                              |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 255 mm / 109 mm                              | 255 mm / 109 mm                            |
|                                              |                                            |

## Ordering data

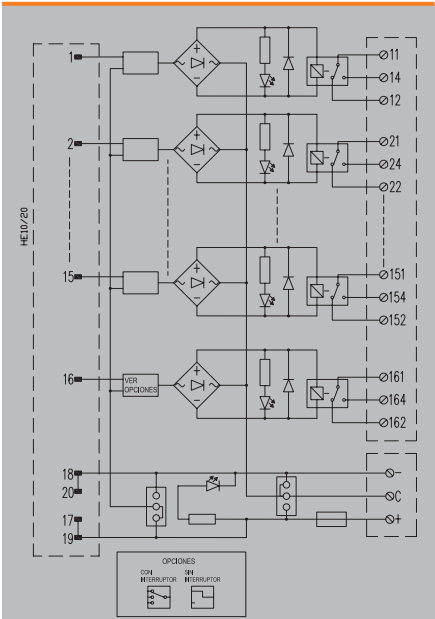
|      | Screw connection without switch         |
|------|-----------------------------------------|
|      | Screw connection with switch            |
|      | Tension-clamp connection without switch |
|      | Tension-clamp connection with switch    |
| Note |                                         |

## Accessories

| Note |
|------|
|------|

| Type                | Height | Order No.  |
|---------------------|--------|------------|
| RSM-16 PLC 1CO S    | 68 mm  | 1129100000 |
| RSM-16 PLC SW 1CO S | 68 mm  | 1129120000 |
| RSM-16 PLC 1CO Z    | 68 mm  | 1129110000 |
| RSM-16 PLC SW 1CO Z | 68 mm  | 1129130000 |

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1CO |
|----------------------------------------|



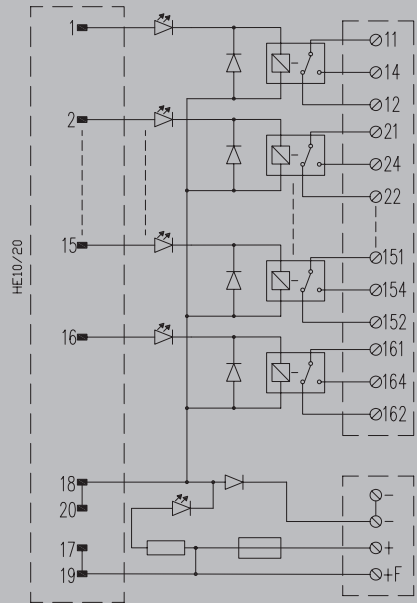
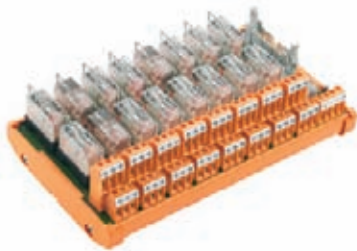
RSM - Interfaces  
for 16 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

RSM-16 C 1CO

RCL relays (arranged in 2 rows) with 1 CO contact



Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |  |
|----------------------------------------------|--|
| 20-pole plug                                 |  |
| RCL                                          |  |
| green                                        |  |
| yellow                                       |  |
| No                                           |  |
| 3.15 A                                       |  |
| Nominal input data                           |  |
| 24 V DC ± 10%                                |  |
| 20 mA                                        |  |
| 24 V DC ± 10%                                |  |
| 2 A                                          |  |
| Nominal output data                          |  |
| AgNi 90/10                                   |  |
| 250 V AC                                     |  |
| 5 A                                          |  |
| 0.01 A                                       |  |
| 12 V                                         |  |
| 3 x 10 <sup>7</sup> switching cycles         |  |
| General data                                 |  |
| -25...+40°C                                  |  |
| -40...+60 °C                                 |  |
| CE; GOSTME25                                 |  |
| Insulation coordination (EN50178)            |  |
| < 50 V AC                                    |  |
| < 250 V AC                                   |  |
| III                                          |  |
| II                                           |  |
| 2                                            |  |
| 6 kV                                         |  |
| 1.2 kVAC                                     |  |
| ≥ 5.5 mm                                     |  |
| Dimensions                                   |  |
| Screw connection                             |  |
| Tension clamp connection                     |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| TS 35, TS 32                                 |  |
| 185 mm / 109 mm                              |  |
| 185 mm / 109 mm                              |  |
| Note                                         |  |

Ordering data

|      | Screw connection without switch         |
|------|-----------------------------------------|
|      | Screw connection with switch            |
|      | Tension-clamp connection without switch |
|      | Tension-clamp connection with switch    |
| Note |                                         |

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RSM-16 C 1CO S | 68 mm  | 9445100000 |
| RSM-16 C 1CO Z | 68 mm  | 9447100000 |
| Note           |        |            |

Accessories

| Note |
|------|
|------|

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1CO |
|----------------------------------------|

# RSM - isolated interfaces for digital output signals

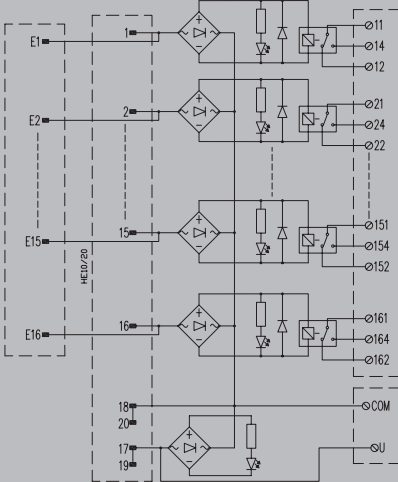
## RSM - Interfaces for 16 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

### RSM-16 24 V(-/+) 1C0

RCL relays, 24 V DC voltage with 1 C0 contact



### Technical data

| Connection data and functionality   |                                          |
|-------------------------------------|------------------------------------------|
| Connection on control side          |                                          |
| Number of poles (control side)      |                                          |
| Relay type                          |                                          |
| LED status display per relay        |                                          |
| LED status of the supply voltage    |                                          |
| Fuse per relay                      |                                          |
| Power supply fuse                   |                                          |
| Nominal input data                  |                                          |
| Input voltage                       | 24 V DC $\pm$ 10%                        |
| Input current                       | 22 mA                                    |
| Operating voltage (supply)          | 24 V DC $\pm$ 10%                        |
| Operating current (supply)          | 2 A                                      |
| Nominal output data                 |                                          |
| Contact material                    | AgNi 90/10                               |
| Operating voltage                   | 250 V AC                                 |
| Max. AC continuous current          | 5 A                                      |
| Minimum contact current             | 0.01 A                                   |
| Minimum contact voltage             | 12 V                                     |
| Mechanical service life             | 3 x 10 <sup>7</sup> switching cycles     |
| General data                        |                                          |
| Ambient temperature (operational)   | -25...+40°C                              |
| Storage temperature                 | -40...+60 °C                             |
| Approvals                           | CE, GOSTME25                             |
| Insulation coordination (EN50178)   |                                          |
| Rated input insulation voltage      | < 50 V AC                                |
| Rated output insulation voltage     | < 250 V AC                               |
| Overvoltage category input/output   | III                                      |
| Overvoltage category output/output  | II                                       |
| Pollution severity level            | 2                                        |
| Pulse voltage test (1,2/50µs)       | 6 kV                                     |
| Insulation test voltage             | 2.5 kVAC                                 |
| Clearance input/output              | ≥ 5.5 mm                                 |
| Dimensions                          |                                          |
| Clamping range, min. /max. [Field]  | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Clamping range, min. /max. [supply] | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                       | TS 35, TS 32                             |
| Length x width                      | 267 mm / 87.5 mm                         |
| Note                                |                                          |

| Screw connection                         |  | Tension clamp connection                   |
|------------------------------------------|--|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |  | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |  | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| TS 35, TS 32                             |  | TS 35, TS 32                               |
| 267 mm / 87.5 mm                         |  | 267 mm / 87.5 mm                           |
| Type                                     |  |                                            |
| Height                                   |  |                                            |
| Order No.                                |  |                                            |
| RSM-16 24V(-/+) 1C0 S                    |  |                                            |
| RSM-16 24V(-/+) 1C0 Z                    |  |                                            |
| Note                                     |  |                                            |

### Ordering data

| Screw connection without switch         |
|-----------------------------------------|
| Screw connection with switch            |
| Tension-clamp connection without switch |
| Tension-clamp connection with switch    |
| Note                                    |

### Accessories

| Note |
|------|
|------|

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1C0 |
|----------------------------------------|

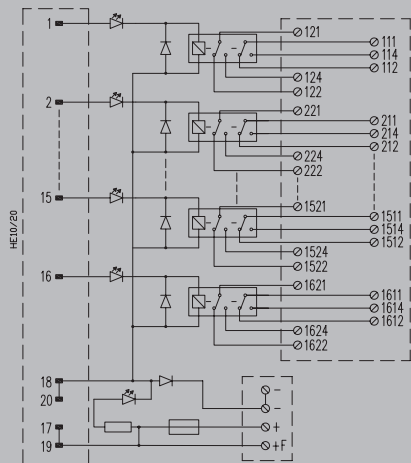
RSM - Interfaces  
for 16 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

RSM-16 2CO

RCL relays with 2 CO contacts



Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Technical data                               |                                            |
|----------------------------------------------|--------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
| 20-pole plug                                 |                                            |
| RCL                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 3.15 A                                       |                                            |
| Nominal input data                           |                                            |
| 24 V DC ± 10%                                |                                            |
| 17 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
| Nominal output data                          |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 4 A                                          |                                            |
| 0.01 A                                       |                                            |
| 12 V                                         |                                            |
| 3 x 10 <sup>7</sup> switching cycles         |                                            |
| General data                                 |                                            |
| -25...+40°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE; GOSTME25                                 |                                            |
| Insulation coordination (EN50178)            |                                            |
| < 50 V AC                                    |                                            |
| < 250 V AC                                   |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 2.5 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
| Dimensions                                   |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| TS 35, TS 32                                 | TS 35, TS 32                               |
| 263 mm / 109 mm                              | 263 mm / 109 mm                            |
| Note                                         |                                            |

Ordering data

| Ordering data                           |  |
|-----------------------------------------|--|
| Screw connection without switch         |  |
| Screw connection with switch            |  |
| Tension-clamp connection without switch |  |
| Tension-clamp connection with switch    |  |
| Note                                    |  |

| Type         | Height | Order No.  |
|--------------|--------|------------|
| RSM-16 2CO S | 68 mm  | 9445160000 |
| RSM-16 2CO Z | 68 mm  | 9447160000 |
| Note         |        |            |

Accessories

| Note |
|------|
|------|

|                                |
|--------------------------------|
| Relay 4058570000 RCL424024 2CO |
|--------------------------------|

## RSM - isolated interfaces for digital output signals

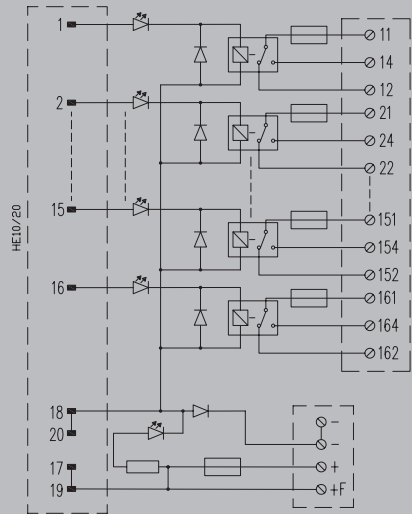
### RSM - Interfaces for 16 isolated digital output signals

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

### RSM-16 FUS 1C0

RCL relays, 1 C0 contact with fuse relay contact



### Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 20-pole plug                                 |                                            |
| RCL                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| 5 A                                          |                                            |
| 3.15 A                                       |                                            |
|                                              |                                            |
| 24 V DC ± 10%                                |                                            |
| 20 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2 A                                          |                                            |
|                                              |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 5 A                                          |                                            |
| 0.01 A                                       |                                            |
| 12 V                                         |                                            |
| 3 x 10 <sup>7</sup> switching cycles         |                                            |
|                                              |                                            |
| -25...+40°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE; GOSTME25                                 |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| < 250 V AC                                   |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 1.2 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| TS 35, TS 32                                 | TS 35, TS 32                               |
| 261 mm / 109 mm                              | 261 mm / 109 mm                            |
|                                              |                                            |

### Ordering data

| Screw connection without switch         |  |
|-----------------------------------------|--|
| Screw connection with switch            |  |
| Tension-clamp connection without switch |  |
| Tension-clamp connection with switch    |  |
| Note                                    |  |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RSM-16 FUS 1C0 S | 75 mm  | 9445120000 |
| RSM-16 FUS 1C0 Z | 75 mm  | 9447120000 |
|                  |        |            |

### Accessories

| Note |
|------|
|------|

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1C0 |
|----------------------------------------|

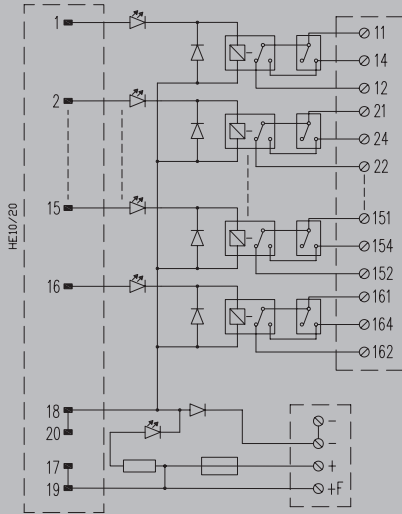
**RSM - Interfaces**  
**for 16 isolated digital output signals**

Relay digital output interface for transmitting electrical signals between the PLC and the field via pre-wired cables of Weidmüller's universal system.

- Input/output reinforced insulation (basic between contacts)

**RSM-16 FOR 1CO**

RCL relays, 1 CO contact and switch



**Technical data**

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |  |
|----------------------------------------------|--|
| 20-pole plug                                 |  |
| RCL                                          |  |
| green                                        |  |
| yellow                                       |  |
| No                                           |  |
| 3.15 A                                       |  |
|                                              |  |
| 24 V DC ± 10%                                |  |
| 17 mA                                        |  |
| 24 V DC ± 10%                                |  |
| 2 A                                          |  |
|                                              |  |
| AgNi 90/10                                   |  |
| 250 V AC                                     |  |
| 2 A                                          |  |
| 0.01 A                                       |  |
| 12 V                                         |  |
| 3 x 10 <sup>7</sup> switching cycles         |  |
|                                              |  |
| -25...+40°C                                  |  |
| -40...+60 °C                                 |  |
| CE; GOSTME25                                 |  |
|                                              |  |
| < 50 V AC                                    |  |
| < 250 V AC                                   |  |
| III                                          |  |
| II                                           |  |
| 2                                            |  |
| 6 kV                                         |  |
| 1.2 kVAC                                     |  |
| ≥ 5.5 mm                                     |  |
| Screw connection                             |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |  |
| TS 35, TS 32                                 |  |
| 263 mm / 109 mm                              |  |
|                                              |  |

**Ordering data**

|      | Screw connection without switch         |
|------|-----------------------------------------|
|      | Screw connection with switch            |
|      | Tension-clamp connection without switch |
|      | Tension-clamp connection with switch    |
| Note |                                         |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RSM-16 FOR 1CO S | 75 mm  | 9445140000 |
|                  |        |            |
|                  |        |            |
|                  |        |            |

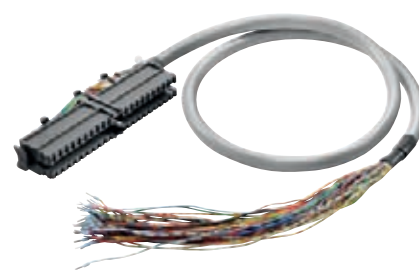
**Accessories**

| Note |
|------|
|------|

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1CO |
|----------------------------------------|

## PAC-UNIV Universal pre-assembled cables

You can choose the ideal pre-assembled cable for your PLC card from the following tables. Calculate voltage and current values allowed by the cable as dictated by the application. More technical information can be found in our on-line catalogue at [www.weidmuller.com](http://www.weidmuller.com)



## PAC-UNIV

Pre-assembled cables

- At one end of the PLC connector
- The other end has a wire-end ferrule
- Shielded cable with 0.25 mm<sup>2</sup> cross section for analogue cards and un-shielded for digital cards.

| Input/Output cards    | Cables                     | Unit/<br>card |
|-----------------------|----------------------------|---------------|
| <b>Siemens S7-300</b> |                            |               |
| 6ES7312-5BD00-0AB0    | 7789606xxx                 | 1             |
| 6ES7312-5BD01-0AB0    | 7789606xxx                 | 1             |
| 6ES7312-5BE03-0AB0    | 7789606xxx                 | 1             |
| 6ES7313-5BE00-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7313-5BE01-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7313-5BF03-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7313-6BE00-0AB0    | 7789608xxx                 | 1             |
| 6ES7313-6BE01-0AB0    | 7789608xxx                 | 1             |
| 6ES7313-6BF03-0AB0    | 7789608xxx                 | 1             |
| 6ES7313-6CE00-0AB0    | 7789608xxx                 | 1             |
| 6ES7313-6CE01-0AB0    | 7789608xxx                 | 1             |
| 6ES7313-6CF03-0AB0    | 7789608xxx                 | 1             |
| 6ES7314-6BF00-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7314-6BF01-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7314-6BF02-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7314-6CF00-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7314-6CF01-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7314-6CF02-0AB0    | 7789608xxx +<br>7789609xxx | 1+1           |
| 6ES7321-1BH00-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BH01-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BH02-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BH50-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BH80-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BH81-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BH82-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1BL00-0AA0    | 7789608xxx                 | 1             |
| 6ES7321-1BL80-0AA0    | 7789608xxx                 | 1             |
| 6ES7321-1BP00-0AA0    | 7789790xxx                 | 2             |
| 6ES7321-1CH20-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1CH80-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1EH00-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1EH01-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1EL00-0AA0    | 7789608xxx                 | 1             |
| 6ES7321-1FF00-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1FF01-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1FF81-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-1FH00-0AA0    | 7789606xxx                 | 1             |
| 6ES7321-7BH00-0AB0    | 7789606xxx                 | 1             |
| 6ES7321-7BH01-0AB0    | 7789606xxx                 | 1             |
| 6ES7321-7BH80-0AB0    | 7789606xxx                 | 1             |
| 6ES7321-7RD00-0AB0    | 7789606xxx                 | 1             |
| 6ES7322-1BF00-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1BF01-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1BH00-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1BH01-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1BH10-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1BH81-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1BL00-0AA0    | 7789608xxx                 | 1             |
| 6ES7322-1BP00-0AA0    | 7789790xxx                 | 2             |
| 6ES7322-1BP50-0AA0    | 7789790xxx                 | 2             |
| 6ES7322-1CF00-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1CF80-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1EH00-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1EH01-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1EL00-0AA0    | 7789606xxx                 | 2             |
| 6ES7322-1FF00-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1FF01-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1FF81-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1FH00-0AA0    | 7789606xxx                 | 1             |
| 6ES7322-1FL00-0AA0    | 7789606xxx                 | 2             |

| Input/Output cards    | Cables     | Unit/<br>card |
|-----------------------|------------|---------------|
| <b>Siemens S7-300</b> |            |               |
| 6ES7322-1HF10-0AA0    | 7789608xxx | 1             |
| 6ES7322-1HF80-0AA0    | 7789608xxx | 1             |
| 6ES7322-5RD00-0AB0    | 7789606xxx | 1             |
| 6ES7322-5SD00-0AB0    | 7789606xxx | 1             |
| 6ES7322-8BF00-0AB0    | 7789606xxx | 1             |
| 6ES7322-8BH01-0AB0    | 7789608xxx | 1             |
| 6ES7323-1BH00-0AA0    | 7789606xxx | 1             |
| 6ES7323-1BH01-0AA0    | 7789606xxx | 1             |
| 6ES7323-1BH80-0AA0    | 7789606xxx | 1             |
| 6ES7323-1BH80-0AA0    | 7789606xxx | 1             |
| 6ES7323-1BL00-0AA0    | 7789608xxx | 1             |
| 6ES7331-1KF01-0AB0    | 7789609xxx | 1             |
| 6ES7331-1KF02-0AB0    | 7789609xxx | 1             |
| 6ES7331-7KB00-0AB0    | 7789607xxx | 1             |
| 6ES7331-7KB01-0AB0    | 7789607xxx | 1             |
| 6ES7331-7KB02-0AB0    | 7789607xxx | 1             |
| 6ES7331-7KF00-0AB0    | 7789607xxx | 1             |
| 6ES7331-7KF01-0AB0    | 7789607xxx | 1             |
| 6ES7331-7KF02-0AB0    | 7789607xxx | 1             |
| 6ES7331-7NF00-0AB0    | 7789609xxx | 1             |
| 6ES7331-7PF00-0AB0    | 7789609xxx | 1             |
| 6ES7331-7PF01-0AB0    | 7789609xxx | 1             |
| 6ES7331-7RD00-0AB0    | 7789607xxx | 1             |
| 6ES7331-7TF01-0AB0    | 7789607xxx | 1             |
| 6ES7332-5HB00-0AB0    | 7789607xxx | 1             |
| 6ES7332-5HB01-0AB0    | 7789607xxx | 1             |
| 6ES7332-5HB81-0AB0    | 7789607xxx | 1             |
| 6ES7332-5HD00-0AB0    | 7789607xxx | 1             |
| 6ES7332-5HD01-0AB0    | 7789607xxx | 1             |
| 6ES7332-5HF00-0AB0    | 7789609xxx | 1             |
| 6ES7332-5RD00-0AB0    | 7789607xxx | 1             |
| 6ES7332-7ND01-0AB0    | 7789607xxx | 1             |
| 6ES7332-7ND02-0AB0    | 7789607xxx | 1             |
| 6ES7334-0CE01-0AA0    | 7789607xxx | 1             |
| 6ES7334-0KE00-0AB0    | 7789607xxx | 1             |
| 6ES7335-7HG01-0AB0    | 7789607xxx | 1             |
| 6ES7335-7HG02-0AB0    | 7789607xxx | 1             |

| Input/Output cards            | Cables     | Unit/<br>card |
|-------------------------------|------------|---------------|
| <b>Rockwell Control-Logix</b> |            |               |
| 1756-IA16                     | 7789731xxx | 1             |
| 1756-IA16I                    | 7789733xxx | 1             |
| 1756-IA8D                     | 7789731xxx | 1             |
| 1756-IB16                     | 7789731xxx | 1             |
| 1756-IB16D                    | 7789733xxx | 1             |
| 1756-IB16I                    | 7789733xxx | 1             |
| 1756-IB32                     | 7789733xxx | 1             |
| 1756-IC16                     | 7789731xxx | 1             |
| 1756-IF16                     | 7789734xxx | 1             |
| 1756-IF6I                     | 7789732xxx | 1             |
| 1756-IF8                      | 7789734xxx | 1             |
| 1756-IH16I                    | 7789733xxx | 1             |
| 1756-IM16I                    | 7789733xxx | 1             |
| 1756-IN16                     | 7789731xxx | 1             |
| 1756-IR6I                     | 7789732xxx | 1             |
| 1756-QA16                     | 7789731xxx | 1             |
| 1756-QA16I                    | 7789733xxx | 1             |
| 1756-QA8                      | 7789731xxx | 1             |
| 1756-QA8D                     | 7789731xxx | 1             |
| 1756-QA8E                     | 7789731xxx | 1             |
| 1756-QB16D                    | 7789733xxx | 1             |
| 1756-QB16E                    | 7789731xxx | 1             |
| 1756-QB16I                    | 7789733xxx | 1             |
| 1756-QB32                     | 7789733xxx | 1             |
| 1756-QB8                      | 7789731xxx | 1             |
| 1756-QB8EI                    | 7789733xxx | 1             |
| 1756-OC8                      | 7789731xxx | 1             |
| 1756-OF4                      | 7789732xxx | 1             |

| Input/Output cards            | Cables     | Unit/<br>card |
|-------------------------------|------------|---------------|
| <b>Rockwell Control-Logix</b> |            |               |
| 1756-OF6CI                    | 7789732xxx | 1             |
| 1756-OF6VI                    | 7789732xxx | 1             |
| 1756-OF8                      | 7789732xxx | 1             |
| 1756-OH8I                     | 7789733xxx | 1             |
| 1756-ON8                      | 7789731xxx | 1             |
| 1756-OW16E                    | 7789731xxx | 1             |
| 1756-OW16I                    | 7789733xxx | 1             |
| 1756-0X8I                     | 7789733xxx | 1             |

| Input/Output cards | Cables     | Unit/<br>card |
|--------------------|------------|---------------|
| <b>Omron CJ1W</b>  |            |               |
| ID231              | 7789790xxx | 1             |
| ID232              | 7789790xxx | 1             |
| ID261              | 7789790xxx | 2             |
| ID262              | 7789790xxx | 2             |
| OD231              | 7789790xxx | 1             |
| OD232              | 7789790xxx | 1             |
| OD233              | 7789790xxx | 1             |
| OD261              | 7789790xxx | 2             |
| OD262              | 7789790xxx | 2             |
| OD263              | 7789790xxx | 2             |

| Input/Output cards         | Cables     | Unit/<br>card |
|----------------------------|------------|---------------|
| <b>Mitsubishi Melsec Q</b> |            |               |
| QH42P                      | 7789790xxx | 2             |
| QX41                       | 7789790xxx | 1             |
| QX41-S1                    | 7789790xxx | 1             |
| QX41Y41P                   | 7789790xxx | 2             |
| QX42                       | 7789790xxx | 2             |
| QX42-S1                    | 7789790xxx | 2             |
| QX71                       | 7789790xxx | 1             |
| QX72                       | 7789790xxx | 2             |
| QX82                       | 7789790xxx | 2             |
| QX82-S1                    | 7789790xxx | 2             |
| QY41P                      | 7789790xxx | 1             |
| QY42P                      | 7789790xxx | 2             |
| QY71                       | 7789790xxx | 1             |

## Universal pre-assembled cable composition

| Cables     | PLC Connector                | Cable<br>type |
|------------|------------------------------|---------------|
| 7789606xxx | S7300 6ES7921-3AH0-1AA0 20P  | LIYY          |
| 7789607xxx | S7300 6ES7921-3AH0-1AA0 20P  | LIYCY         |
| 7789608xxx | S7300 6ES7921-3AH20-1AA0 40P | LIYY          |
| 7789609xxx | S7300 6ES7921-3AH20-1AA0 40P | LIYCY         |
| 7789731xxx | 1756-TBNH 20P                | LIYY          |
| 7789732xxx | 1756-TBNH 20P                | LIYCY         |
| 7789733xxx | 1756-TBCH 36P                | LIYY          |
| 7789734xxx | 1756-TBCH 36P                | LIYCY         |
| 7789790xxx | FCN 40P                      | LIYY          |

The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

# Specific solutions for PLC/DCS I/O cards

|                                                                                     |                   |      |
|-------------------------------------------------------------------------------------|-------------------|------|
| <b>Specific solutions for PLC/DCS I/O cards</b>                                     |                   |      |
| Honeywell C300 – General description                                                |                   | B.2  |
| Honeywell C300 – Selection guide                                                    |                   | B.4  |
| Honeywell C300 – FTA C300 Input/output passive interface                            |                   | B.6  |
| Honeywell C300 – FTA C300 Isolated interface per relay                              |                   | B.10 |
| Honeywell C300 – Interconnection cables                                             |                   | B.11 |
| Cabling system with front adapters                                                  |                   | B.12 |
| FAD – Selection guide                                                               |                   | B.14 |
| FAD – Front Adapters for Siemens S7-300 and Rockwell Control-Logix                  |                   | B.18 |
| RSF PLC – Passive interface for digital signals                                     |                   | B.24 |
| RSM – Isolated interfaces for digital signals                                       |                   | B.30 |
| MICRO-INTERFACE Solutions for PLC with relays and optos from the MICROSERIES family |                   | B.34 |
| MICRO-PLC for GeFanuc 90-30                                                         | – Selection guide | B.36 |
| MICRO-PLC for GeFanuc RX3i                                                          | – Selection guide | B.37 |
| MICRO-PLC for OMRON CJ1W                                                            | – Selection guide | B.38 |
| MICRO-PLC for Rockwell Compact Logix                                                | – Selection guide | B.39 |
| MICRO-PLC for Rockwell Control Logix                                                | – Selection guide | B.40 |
| MICRO-PLC for Schneider M340                                                        | – Selection guide | B.41 |
| MICRO-PLC for Schneider MICRO-PREMIUM                                               | – Selection guide | B.42 |
| MICRO-PLC for Siemens S7-300 / ET- 200M                                             | – Selection guide | B.43 |
| MICRO-PLC for Siemens S7-400                                                        | – Selection guide | B.44 |
| MICRO-INTERFACE digital                                                             |                   | B.46 |
| MICROSERIES – Relay Couplers                                                        |                   | B.48 |
| MICROSERIES – Solid-state relay                                                     |                   | B.55 |

## Field Terminal Assembly (FTA)

### New interfaces for the Honeywell Experion® PKS C300 controller

Weidmüller's new interfaces and pre-assembled cables allow you to wire up I/O cards from Honeywell's C300 controller quickly and simply in the field.

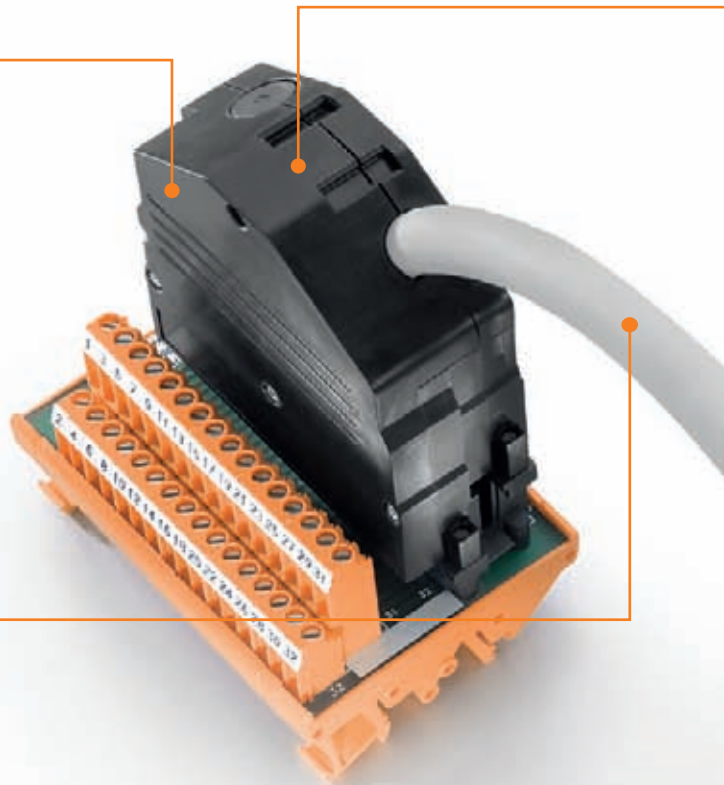
The IOTAs (Input Output Terminal Assemblies) are designed using Weidmüller PCB connectors and terminals. This design gives you the flexibility to connect directly to the field cabling wire to wire or with a pre-assembled cable in combination with Weidmüller's FTAs. In comparison to traditional wire-to-wire cabling, the new Weidmüller FTAs and pre-cabling solution offer a highly efficient method of wiring between I/O modules and the field.

Concise wiring in the electrical cabinet is possible because multicore cables are used instead of individual wires. The cable harness can be delivered with double or single connectors and even with unterminated ends.

The housing provides easy handling as well as a safe, firm connection to the IOTA. It also allows you to use cables with large cross-sections.

### Minimised wiring effort

Pluggable connectors and cables minimise the on site wiring effort.



### A quicker and easier connection

Pre-assembled wiring harnesses join IOTA and FTA with a fast and easy connection free from errors.



**High current switching capability**

The isolated digital output FTAs provide a high current switching capacity in a compact design.

**Clear identification**

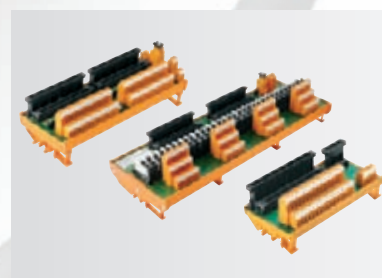
The IOTA and FTA are delivered with the same Weidmüller connectors and the same orientation.

**Excellent flexibility**

The pre-assembled cables can be manufactured with different cross sections and in different lengths of up to 50 m.

**Wide range of Weidmüller interfaces (FTA)**

Weidmüller interfaces offer a large variety of functions such as LED indicators, insulators, relays or fuses for all the C300 I/O cards.



# Honeywell C300 – Selection guide

The following selection guides enable you to quickly and easily choose the correct products according to your application needs:

**STEP 1:** Choose the IOTA to be used.

**STEP 2:** In this column you can find the number and type of cable required to make the connection.

**STEP 3:** Choose the most suitable interface for the application.

**Example:** For CC-TDIL01 it's possible to select different options.

Solution 1: Pre-assembled cable C300-32B-320B (2 units)

Interface: 1221550000 (1 unit)

Solution 2: Pre-assembled cable C300-32B-320B (2 units)

Interface: 1222980000 (2 units)

## Selection Guide for pre-assembled cables and FTA for Honeywell C300 IOTA's

| STEP 1                |                                                  | STEP 2               |              | STEP 3                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                 |           |              |            |                      |
|-----------------------|--------------------------------------------------|----------------------|--------------|-----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|-----------|--------------|------------|----------------------|
| Honeywell IOTA        |                                                  | Pre-assembled cables |              | FTA (Weidmüller Interfaces) |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                 |           |              |            |                      |
| Kind of Card          | Card                                             | Cable Type           | Units / IOTA | Channels                    | Connection                                                                          | 1 LED per channel                                                                   | Disconnect + Test points                                                            | Fuse per channel                                                                    | External power supply connector | Isolation | Units / IOTA | Order No.  | Type                 |
| 32 DI                 | CC-TDIL01<br>CC-TDIL11                           | C300-32B-320B        | 2            | 32                          |    |    |                                                                                     |                                                                                     | Yes                             |           | 1            | 1221550000 | FTA-C300-32DIOHV-S   |
|                       |                                                  |                      |              |                             |    |    |                                                                                     |                                                                                     | Yes                             |           | 1            | 1222940000 | FTA-C300-32DILD-S    |
|                       |                                                  |                      |              |                             |    |    |                                                                                     |                                                                                     | Yes                             |           | 1            | 1221560000 | FTA-C300-32DIOHV-Z   |
|                       |                                                  |                      |              |                             |    |    |                                                                                     |                                                                                     | Yes                             |           | 1            | 1222950000 | FTA-C300-32DILD-Z    |
|                       |                                                  |                      |              | 16                          |   |                                                                                     |   |                                                                                     | No                              |           | 2            | 1222980000 | FTA-C300-16AO-SH-S   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1247140000 | FTA-C300-16AI-TEST-S |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1222990000 | FTA-C300-16AO-SH-Z   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1247150000 | FTA-C300-16AI-TEST-Z |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
| 32 DI<br>High voltage | CC-TDI110<br>CC-TDI120<br>CC-TDI220<br>CC-TDI230 | C300-32B-320B        | 2            | 32                          |  |  |                                                                                     |                                                                                     | Yes                             |           | 1            | 1221550000 | FTA-C300-32DIOHV-S   |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |                                                                                     | Yes                             |           | 1            | 1221560000 | FTA-C300-32DIOHV-Z   |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |                                                                                     | No                              |           | 2            | 1222980000 | FTA-C300-16AO-SH-S   |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |                                                                                     | No                              |           | 2            | 1222990000 | FTA-C300-16AO-SH-Z   |
|                       |                                                  |                      |              | 16                          |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 2            | 1223010000 | FTA-C300-16AO-SHP    |
| 32 DO                 | CC-TDOB01<br>CC-TDOB11                           | C300-32B-320B        | 2            | 32                          |  |  |                                                                                     |                                                                                     | Yes                             |           | 1            | 1221550000 | FTA-C300-32DIOHV-S   |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |                                                                                     | Yes                             |           | 1            | 1221590000 | FTA-C300-32DILD-S    |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |  | Yes                             |           | 1            | 1246910000 | FTA-C300-32DO-FUSE-S |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |  | Yes                             | Relay 6A  | 1            | 1221570000 | FTA-C300-32DO-SLIM-S |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |  | Yes                             |           | 1            | 1221560000 | FTA-C300-32DIOHV-Z   |
|                       |                                                  |                      |              |                             |  |  |                                                                                     |  | Yes                             |           | 1            | 1221600000 | FTA-C300-32DILD-Z    |
|                       |                                                  |                      |              | 16                          |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1222980000 | FTA-C300-16IO-SH-S   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1223020000 | FTA-C300-16AO-TEST-S |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1222990000 | FTA-C300-16AO-SH-Z   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 2            | 1223030000 | FTA-C300-16AO-TEST-Z |
| 16 AO                 | CC-TAOX01<br>CC-TAOX11                           | C300-32B-320B        | 1            | 16                          |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1222980000 | FTA-C300-16AO-SH-S   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1223020000 | FTA-C300-16AO-TEST-S |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1222990000 | FTA-C300-16AO-SH-Z   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1223030000 | FTA-C300-16AO-TEST-Z |
|                       |                                                  |                      |              |                             |  |                                                                                     |                                                                                     |                                                                                     | No                              |           | 1            | 1223010000 | FTA-C300-16AO-SHP    |
| 16 AI                 | CC-TAIX01<br>CC-TAIX11                           | C300-36B-320B        | 1            | 16                          |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1247120000 | FTA-C300-16AI-SH-S   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1247140000 | FTA-C300-16AI-TEST-S |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1247130000 | FTA-C300-16AI-SH-Z   |
|                       |                                                  |                      |              |                             |  |                                                                                     |  |                                                                                     | No                              |           | 1            | 1247150000 | FTA-C300-16AI-TEST-Z |

**Note:**  
 = Screw connection  
 = Tension clamp connection  
 = Pluggable connection



# Honeywell C300 - FTA C300 Input/output passive interface

## Honeywell C300 - FTA C300

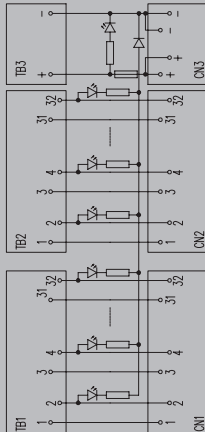
### Input/output passive interface for digital cards

Passive interfaces (FTA) for connecting the Honeywell C300 digital IOTAs.

- Clearly labelled: Same connector and position on the FTA and on the IOTA
- LED and fuse protection per channel (optional)
- Possibility of feeding the IOTA from the FTA (fuse protected)
- Screw or tension clamp connection

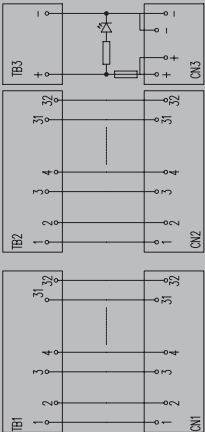
## FTA-C300-32DI-LD

For: CC-TDIL01, CC-TDIL11



## FTA-C300-32DIOHV

CC-TDIL01/11, CC-TD0801/11, CC-TDI110/120/220/230



### Technical data

| Connection data and functionality |               |
|-----------------------------------|---------------|
| Connection on control side        |               |
| LED status display per channel    |               |
| LED status of the supply voltage  |               |
| Fuse per channel                  |               |
| Power supply fuse                 |               |
| Type of test point                |               |
| Rated data                        |               |
| Operating voltage                 | 24 V DC ± 10% |
| Max. current per channel          | 1 A           |
| Operating voltage (supply)        | 24 V DC ± 10% |
| General data                      |               |
| Ambient temperature (operational) | -25...+50 °C  |
| Storage temperature               | -40...+60 °C  |
| Approvals                         | CE            |
| Insulation coordination (EN50178) |               |
| Rated insulation voltage          | < 50 V AC     |
| Surge voltage category            | III           |
| Pollution severity level          | 2             |
| Insulation test voltage           | 0.35 kVAC     |
| Pulse voltage test (1,2/50µs)     | 0.8 kV        |

| Dimensions                           |  |
|--------------------------------------|--|
| Clamping range, min. / max. [Field]  |  |
| Clamping range, min. / max. [supply] |  |
| Mounting rail                        |  |
| Length x width                       |  |
| Note                                 |  |

### Ordering data

|  |                          |
|--|--------------------------|
|  | Screw connection         |
|  | Tension clamp connection |

| Note |
|------|
|------|

### Accessories

| Note |
|------|
|------|

|               |
|---------------|
| SLDV-THR 5.08 |
| green         |
| yellow        |
| No            |
| 630 mA        |
| No            |
| 24 V DC ± 10% |
| 1 A           |
| 24 V DC ± 10% |
| -25...+50 °C  |
| -40...+60 °C  |
| CE            |
| < 50 V AC     |
| III           |
| 2             |
| 0.35 kVAC     |
| 0.8 kV        |

| Screw connection                         | Tension clamp connection                   |
|------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                             | TS 32, TS 35                               |
| 216 mm / 87 mm                           | 216 mm / 87 mm                             |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| FTA-C300-32DI-LD-S | 65 mm  | 1222940000 |
| FTA-C300-32DI-LD-Z | 65 mm  | 1222950000 |

|                                |
|--------------------------------|
| 5x20 mm 0.63 A fuse 0439000000 |
|--------------------------------|

|               |
|---------------|
| SLDV-THR 5.08 |
| No            |
| yellow        |
| No            |
| 630 mA        |
| No            |
| ≤ 250 V AC    |
| 1 A           |
| 24 V DC ± 10% |
| -25...+50 °C  |
| -40...+60 °C  |
| CE            |
| < 250 V AC    |
| II            |
| 2             |
| 1.2 kVAC      |
| 2 kV          |

| Screw connection                         | Tension clamp connection                   |
|------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                             | TS 32, TS 35                               |
| 216 mm / 87 mm                           | 216 mm / 87 mm                             |

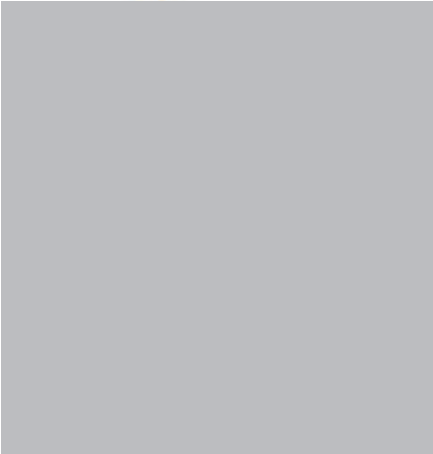
For digital outputs, replace the fuse as required (max. 5 A). TB3 can only be used for 24 V DC.

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| FTA-C300-32DIOHV-S | 65 mm  | 1221550000 |
| FTA-C300-32DIOHV-Z | 65 mm  | 1221560000 |

|                                                             |
|-------------------------------------------------------------|
| 5x20 mm 0.63 A fuse 0439000000; 5x20 mm 5 A fuse 0431300000 |
|-------------------------------------------------------------|

FTA-C300-32DO-LD

For: CC-TD0801, CC-TD0811



|               |
|---------------|
| SLDV-THR 5.08 |
| green         |
| yellow        |
| No            |
| 5 A           |
| No            |
| 24 V DC ± 10% |
| 1 A           |
| 24 V DC ± 10% |
| -25...+50°C   |
| -40...+60 °C  |
| CE            |
| < 50 V AC     |
| III           |
| 2             |
| 0.35 kVAC     |
| 0.8 kV        |

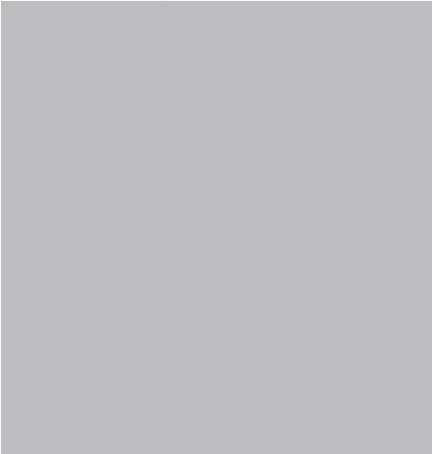
| Screw connection | Tension clamp connection |
|------------------|--------------------------|
| 0.13 mm² / 6 mm² | 0.13 mm² / 2.5 mm²       |
| 0.13 mm² / 6 mm² | 0.13 mm² / 2.5 mm²       |
| TS 32, TS 35     | TS 32, TS 35             |
| 216 mm / 87 mm   | 216 mm / 87 mm           |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| FTA-C300-32DO-LD-S | 65 mm  | 1221590000 |
| FTA-C300-32DO-LD-Z | 65 mm  | 1221600000 |

5x20 mm 5 A fuse 0431300000

FTA-C300-32DO-FUSE

For: CC-TD0801, CC-TD0811

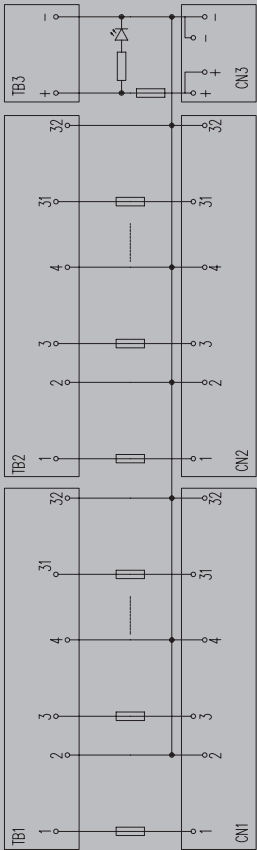
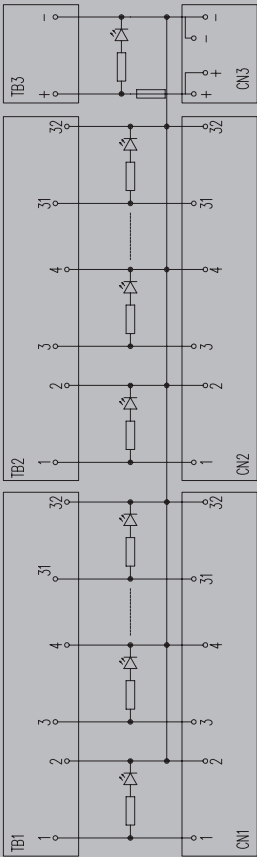


|               |
|---------------|
| SLDV-THR 5.08 |
| No            |
| yellow        |
| 500 mA        |
| 5 A           |
| No            |
| 24 V DC ± 10% |
| 1 A           |
| 24 V DC ± 10% |
| -25...+50°C   |
| -40...+60 °C  |
| CE            |
| < 50 V AC     |
| III           |
| 2             |
| 0.35 kVAC     |
| 0.8 kV        |

| Screw connection | Tension clamp connection |
|------------------|--------------------------|
| 0.13 mm² / 6 mm² | 0.13 mm² / 2.5 mm²       |
| 0.13 mm² / 6 mm² | 0.13 mm² / 2.5 mm²       |
| TS 35 x 15       | TS 35 x 15               |
| 217 mm / 133 mm  | 217 mm / 133 mm          |

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| FTA-C300-32DO-FUSE-S | 95 mm  | 1246910000 |
| FTA-C300-32DO-FUSE-Z | 95 mm  | 1246920000 |

5x20 mm 5 A fuse 0431300000



# Honeywell C300 - FTA C300 Input/output passive interface

## Honeywell C300 - FTA C300

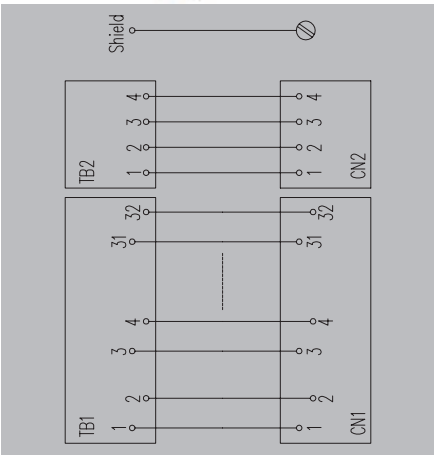
### Input/output passive interface for analogue and digital cards

Passive interfaces (FTA) for connecting the Honeywell C300 analogue IOTAs.

- Same connector and position on the FTA and on the IOTA
- 2 units can also be used for digital IOTAs
- Disconnecting plugs and test points (2 mm in diameter) for voltage and current measurements
- M4 connection for the shielding

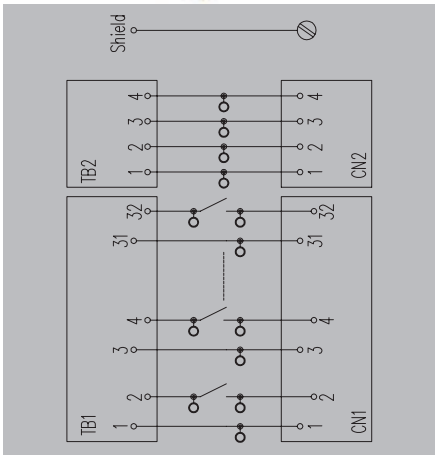
## FTA-C300-16AI-SH

For: CC-TAIX01, CC-TAIX11



## FTA-C300-16AI-TEST

For: CC-TDIL01, CC-TDIL11, CC-TAIX01, CC-TAIX11



### Technical data

| Connection data and functionality |  |
|-----------------------------------|--|
| Connection on control side        |  |
| LED status display per channel    |  |
| LED status of the supply voltage  |  |
| Fuse per channel                  |  |
| Power supply fuse                 |  |
| Type of test point                |  |
| Rated data                        |  |
| Operating voltage                 |  |
| Max. current per channel          |  |
| Operating voltage (supply)        |  |
| General data                      |  |
| Ambient temperature (operational) |  |
| Storage temperature               |  |
| Approvals                         |  |
| Insulation coordination (EN50178) |  |
| Rated insulation voltage          |  |
| Surge voltage category            |  |
| Pollution severity level          |  |
| Insulation test voltage           |  |
| Pulse voltage test (1,2/50µs)     |  |

|                     |
|---------------------|
| SLDV-THR 5.08       |
| No                  |
| No                  |
| No                  |
| No                  |
| No                  |
| No                  |
| 250 V AC / 350 V DC |
| 1 A                 |
| -25...+50°C         |
| -40...+60 °C        |
| CE                  |
| < 250 V AC          |
| II                  |
| 2                   |
| 1.2 kVAC            |
| 2 kV                |

|                |
|----------------|
| SLDV-THR 5.08  |
| No             |
| No             |
| No             |
| No             |
| No             |
| Diameter: 2 mm |
| 24 V DC ± 10%  |
| 1 A            |
| -25...+50°C    |
| -40...+60 °C   |
| CE             |
| ≤ 50 V DC      |
| III            |
| 2              |
| 0.35 kVAC      |
| 0.8 kV         |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Screw connection                         | Tension clamp connection                   |
|------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 35, TS 32                             | TS 35, TS 32                               |
| 135 mm / 70 mm                           | 135 mm / 70 mm                             |

| Screw connection                         | Tension clamp connection                   |
|------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 35 x 15                               | TS 35 x 15                                 |
| 141 mm / 133 mm                          | 141 mm / 133 mm                            |

### Ordering data

|  |                          |
|--|--------------------------|
|  | Screw connection         |
|  | Tension clamp connection |
|  | Plug-in connection       |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| FTA-C300-16AI-SH-S | 56 mm  | 1247120000 |
| FTA-C300-16AI-SH-Z | 56 mm  | 1247130000 |

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| FTA-C300-16AI-TEST-S | 95 mm  | 1247140000 |
| FTA-C300-16AI-TEST-Z | 95 mm  | 1247150000 |

| Note |
|------|
|------|

| Note |
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| Note |
|------|
|------|

### Accessories

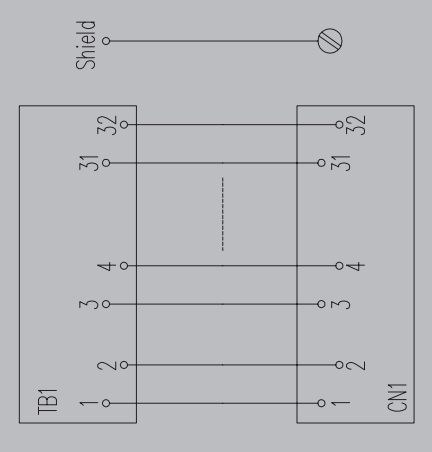
| Note |
|------|
|------|

| Note |
|------|
|------|

|                                |
|--------------------------------|
| Test plug PS 2.0 MC 0310000000 |
|--------------------------------|

FTA-C300-16AO-SH

CC-TD0B01/11,TDI 110/120/220/230/L01/L11,TA0X01/11



|                     |
|---------------------|
| SLDV-THR 5.08       |
| No                  |
| No                  |
| No                  |
| No                  |
| No                  |
| 250 V AC / 350 V DC |
| 1 A                 |
| -25...+50°C         |
| -40...+60 °C        |
| CE                  |
| < 250 V AC          |
| II                  |
| 2                   |
| 1.2 kVAC            |
| 2 kV                |

| Screw connection                                                       | Tension clamp connection |
|------------------------------------------------------------------------|--------------------------|
| 0.13 mm² / 6 mm²                                                       | 0.13 mm² / 2.5 mm²       |
| 0.13 mm² / 6 mm²                                                       | 0.13 mm² / 2.5 mm²       |
| TS 35, TS 32                                                           | TS 35, TS 32             |
| 105 mm / 70 mm                                                         | 105 mm / 70 mm           |
| The power connector is not supplied in the interface for digital cards |                          |

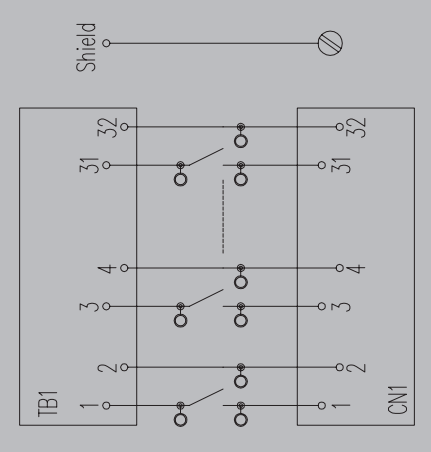
| Type               | Height | Order No.  |
|--------------------|--------|------------|
| FTA-C300-16AO-SH-S | 56 mm  | 1222980000 |
| FTA-C300-16AO-SH-Z | 56 mm  | 1222990000 |
| FTA-C300-16AO-SH-P | 56 mm  | 1223010000 |

|  |
|--|
|  |
|--|

|  |
|--|
|  |
|--|

FTA-C300-16AO-TEST

For: CC-TD0B01, CC-TD0B11, CC-TA0X01, CC-TA0X11



|                |
|----------------|
| SLDV-THR 5.08  |
| No             |
| No             |
| No             |
| No             |
| Diameter: 2 mm |
| 24 V DC ± 10%  |
| 1 A            |
| -25...+50°C    |
| -40...+60 °C   |
| CE             |
| ≤ 50 V DC      |
| III            |
| 2              |
| 0.35 kVAC      |
| 0.8 kV         |

| Screw connection                                                       | Tension clamp connection |
|------------------------------------------------------------------------|--------------------------|
| 0.13 mm² / 6 mm²                                                       | 0.13 mm² / 2.5 mm²       |
| 0.13 mm² / 6 mm²                                                       | 0.13 mm² / 2.5 mm²       |
| TS 35 x 15                                                             | TS 35 x 15               |
| 110 mm / 133 mm                                                        | 110 mm / 133 mm          |
| The power connector is not supplied in the interface for digital cards |                          |

| Type                 | Height | Order No.  |
|----------------------|--------|------------|
| FTA-C300-16AO-TEST-S | 95 mm  | 1223020000 |
| FTA-C300-16AO-TEST-Z | 95 mm  | 1223030000 |

|  |
|--|
|  |
|--|

|                                |
|--------------------------------|
| Test plug PS 2.0 MC 0310000000 |
|--------------------------------|

## Honeywell C300 - FTA C300 Isolated interface per relay

### Honeywell C300 - FTA C300

#### Isolated output interface for digital cards

Passive interfaces (FTA) for connecting the Honeywell C300 analogue IOTAs.

- Clearly labelled: Same connector and position on the FTA and on the IOTA
- Input/output reinforced insulation (basic between contacts)
- Possibility of powering the IOTA from the FTA
- Screw or tension clamp connection

### FTA-C300-32DO-RSLIM

For: CC-TD0B01, TD0B11



#### Technical data

##### Connection data and functionality

Connection on control side  
Number of poles (control side)  
Relay type  
LED status display per relay  
LED status of the supply voltage  
Fuse per relay  
Power supply fuse

##### Nominal supply data

Input voltage  
Input current  
Operating voltage (supply)

##### Nominal output data

Contact material  
Operating voltage  
Max. AC continuous current

##### General data

Ambient temperature (operational)  
Storage temperature  
Approvals

##### Insulation coordination (EN50178)

Rated input insulation voltage  
Rated output insulation voltage  
Overvoltage category input/output  
Overvoltage category output/output  
Pollution severity level  
Pulse voltage test (1,2/50µs)  
Insulation test voltage  
Clearance input/output

SLDV-THR 5.08  
64-pole  
RSS  
green  
yellow  
No  
5 A

24 V DC  $\pm$  10%  
13 mA  
24 V DC  $\pm$  10%

AgNi 90/10  
250 V  
4 A

-25...+50°C  
-40...+60 °C  
CE

< 50 V AC  
< 250 V AC  
III  
II  
2  
6 kV  
1.2 kVAC  
 $\geq$  5.5 mm

#### Dimensions

Clamping range, min. /max. [Field]  
Clamping range, min. /max. [supply]  
Mounting rail  
Length x width

#### Note

#### Screw connection

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>  
0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>  
TS 35 x 15  
368 mm / 133 mm

#### Tension clamp connection

0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>  
0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>  
TS 35 x 15  
368 mm / 133 mm

#### Ordering data

Screw connection  
Tension clamp connection

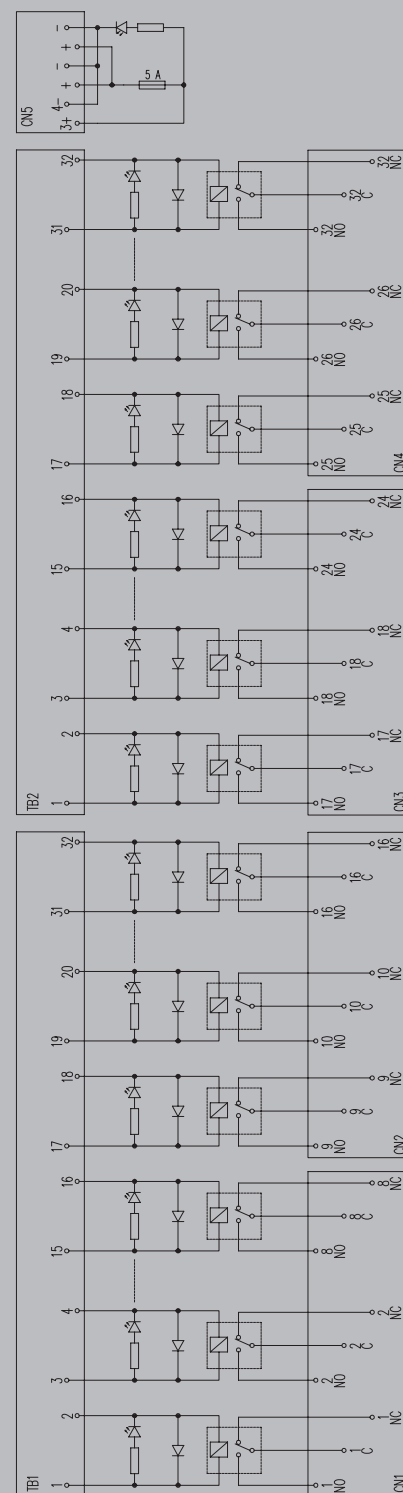
| Type                  | Height | Order No.  |
|-----------------------|--------|------------|
| FTA-C300-32DO-RSLIM-S | 95 mm  | 1221570000 |
| FTA-C300-32DO-RSLIM-Z | 95 mm  | 1221580000 |

#### Note

#### Accessories

##### Note

5x20 mm 5 A fuse 0431300000



## Honeywell C300 - Interconnection cables

Pre-built cables for connecting the CS300 cards to the Weidmüller interfaces. 2 ranges:

- Premium: With housing for the connector
- Basic: Without housing for the connector

### C300-32

#### Premium Range



### C300-32

#### Basic Range



#### Technical data

| Rated data                        |
|-----------------------------------|
| Capacity wire / shield            |
| Capacity wire / wires             |
| Cable features                    |
| Cable                             |
| Material                          |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |

|              |
|--------------|
| 300 pF/m     |
| 300 pF/m     |
| Cable LiYCY  |
| PVC          |
| -10...+50°C  |
| -10...+60 °C |

|              |
|--------------|
| 300 pF/m     |
| 300 pF/m     |
| Cable LiYCY  |
| PVC          |
| -10...+50°C  |
| -10...+60 °C |

#### Note

Resistance value according to the wire cross-section. See [www.weidmueller.com](http://www.weidmueller.com)

Resistance value according to the wire cross-section. See [www.weidmueller.com](http://www.weidmueller.com)

#### Ordering data

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| 32-pole          | 1    | 7789887010 |
| 32-pole          | 1    | 7789828010 |
| 32-pole          | 1    | 7789888010 |
| 32-pole          | 1    | 7789838010 |
| 32-pole + 4-pole | 1    | 7789890010 |
| 32-pole + 4-pole | 1    | 7789829010 |
| 32-pole + 4-pole | 1    | 7789891010 |
| 32-pole + 4-pole | 1    | 7789892010 |

| Type                    | Qty. | Order No.  |
|-------------------------|------|------------|
| C300-32B-320B-2S-M14-01 | 1    | 7789887010 |
| C300-32B-320B-2S-M25-01 | 1    | 7789828010 |
| C300-32B-320B-2S-M34-01 | 1    | 7789888010 |
| C300-32B-320B-2S-M50-01 | 1    | 7789838010 |
| C300-36B-324B-2S-M14-01 | 1    | 7789890010 |
| C300-36B-324B-2S-M25-01 | 1    | 7789829010 |
| C300-36B-324B-2S-M34-01 | 1    | 7789891010 |
| C300-36B-324B-2S-M50-01 | 1    | 7789892010 |

| Type                | Qty. | Order No.  |
|---------------------|------|------------|
| PAC-C300-3232-14-01 | 1    | 7789879010 |
| PAC-C300-3232-25-01 | 1    | 7789880010 |
| PAC-C300-3232-34-01 | 1    | 7789881010 |
| PAC-C300-3232-50-01 | 1    | 7789882010 |
| PAC-C300-3636-14-01 | 1    | 7789883010 |
| PAC-C300-3636-25-01 | 1    | 7789884010 |
| PAC-C300-3636-34-01 | 1    | 7789885010 |
| PAC-C300-3636-50-01 | 1    | 7789837010 |

#### Note

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

#### Accessories

#### Note

## PLC Front Adapter (FAD)

### New Front Adapters for different PLC Cards.

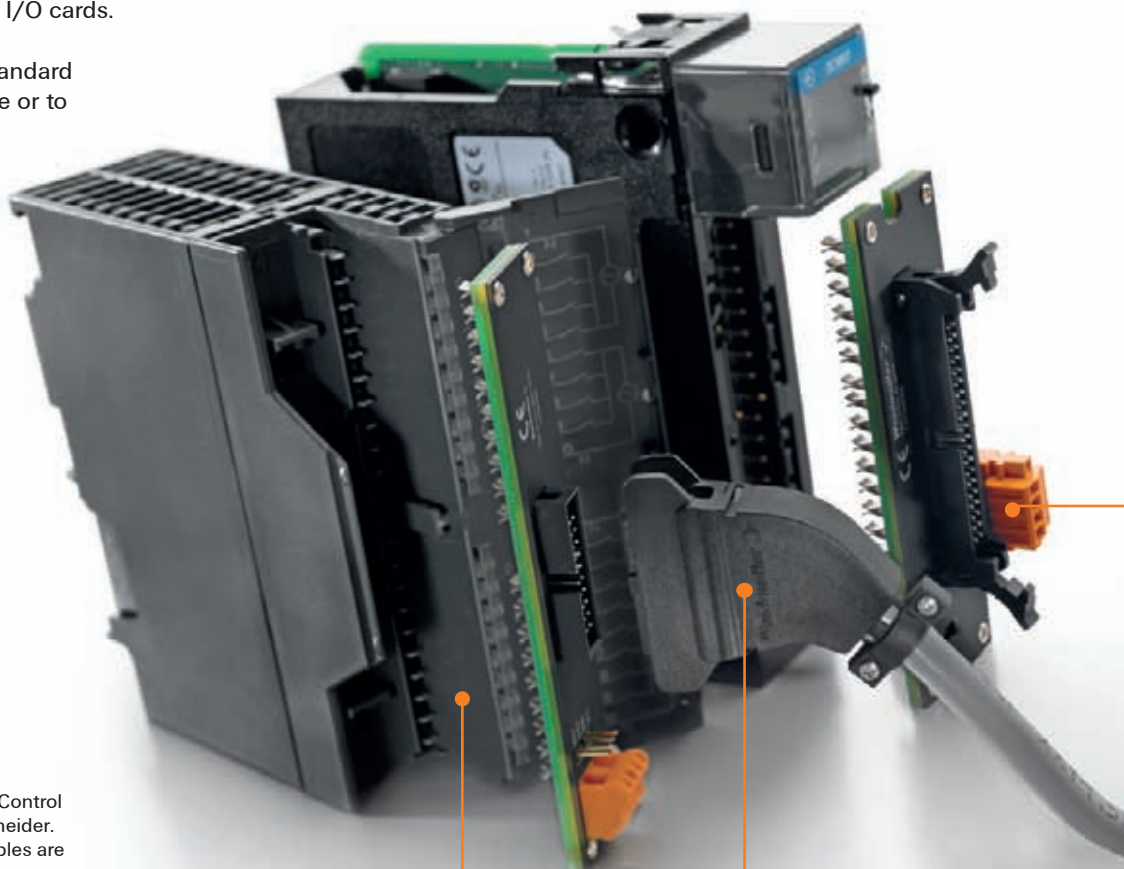
Easy and fast field wiring on PLC I/O cards with new front adapters.

In comparison to traditional wire-to-wire cabling, the new front adapters (FAD), in combination with Weidmüller's interface range, offer a much more efficient method for field wiring on PLCs' I/O cards.

Both can be connected to the standard active or passive interfaces range or to the relays or optos from Weidmüller's MICROSERIES. But the method with FADs is significantly easier and faster than with traditional wire-to-wire cabling. The pre-assembled cables are available in different lengths.

### Large Range

The front adapters are available for many different PLC I/O cards, including Siemens S7300 and S7400, Rockwell Control and Compact Logix, Ge-Fanuc and Schneider. Dependent on the PLC I/O card, the cables are available with or without housing.



### Simple and Safe

Minimised wiring effort on site thanks to plug-type connectors and cables. No wiring errors. Clear wiring in the cabinet due to the cable system instead of individual wires.



**High Flexibility**

A wide range of interfaces can be connected with the FADs and the pre-assembled cables. Weidmüller's interface range offers interesting features, including: LED, fuse, disconnections, relays and optos with manual coil connection (optional). Individual modules from the MICROSERIES family can be directly assembled in groups of eight and connected to the PLC (by standard cable and the appropriate PLC front adapter).

**Time-saving**

Reduced planning and design times. Less time required for commissioning and troubleshooting.



## FAD – Selection guide

## Front adapter selection table for PLC (FAD) and interface modules.

Front adapters for PLCs (FAD-UNIV) are an easy solution for wiring I/O and supply signals from the PLC to the applications. Each signal is taken at a 1:1 relation to the RSF ribbon connector (digital signals) or SUB-D (analogue signals) using adequate (PAC) pre-assembled cables (table 1).

In addition, we offer a wide range of interfaces (active and passive) for the cards of several major manufacturers that allow the use of our MICROSERIES opto modules and relays.

## Selection table:

Choose your PLC card in steps 1 to 3. In step 4 you will find the PLC (FAD) front adapters, the pre-assembled cable (PAC) and the group of interfaces that can be used (in Table 1 or Table 2). In step 5, choose the most adequate interface for your application.

Table 1: Universal FAD

| STEP 1:<br>PLC Manufacturer | STEP 2:<br>Identify the type of connector of your PLC I/O card | STEP 3:<br>Choose between analogical and digital I/O | STEP 4:<br>Selected articles    |                                          |                             |
|-----------------------------|----------------------------------------------------------------|------------------------------------------------------|---------------------------------|------------------------------------------|-----------------------------|
|                             |                                                                |                                                      | PLC Front adapters (FAD)        | Pre-assembled cable (PAC) <sup>(1)</sup> | Choose the interface module |
| Siemens S7-300              | Input/output cards with 20 pole connector                      | Digital cards                                        | 1127840000 FAD S7/300 HE20 UNIV | 7789806LLL                               | RSF 20 GROUP                |
|                             |                                                                | Analogue cards                                       | 1127840000 FAD S7/300 HE20 UNIV | 7789807LLL                               | RSSD 25 GROUP               |
|                             | Input/output cards with 40 pole connector                      | Digital cards                                        | 1127870000 FAD S7/300 HE40 UNIV | 7789808LLL                               | RSF 40 GROUP                |
|                             |                                                                | Analogue cards                                       | 1127870000 FAD S7/300 HE40 UNIV | 7789802LLL                               | RSSD 50 GROUP               |
| Rockwell Control-Logix      | Input/output cards with 20 pole connector                      | Digital cards                                        | 1127900000 FAD CTLX HE20 UNIV   | 7789806LLL                               | RSF 20 GROUP                |
|                             |                                                                | Analogue cards                                       | 1127900000 FAD CTLX HE20 UNIV   | 7789807LLL                               | RSSD 25 GROUP               |
|                             | Input/output cards with 36 pole connector                      | Digital cards                                        | 1127920000 FAD CTLX HE 40 UNIV  | 7789808LLL                               | RSF 40 GROUP                |
|                             |                                                                | Analogue cards                                       | 1127920000 FAD CTLX HE 40 UNIV  | 7789802LLL                               | RSSD 50 GROUP               |

(1) LLL means length of cable in dm Example LLL = 100 means 10 meters from end to end of the cable without measuring the connectors.  
Universal solution for all cards with service voltage ≤ 30 V AC 60 V DC

| STEP 5: Selected interface module (see chapter C) |                 |                                                                                     |                                                                                     |                        |            |
|---------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|------------|
|                                                   | Compact version | Connection                                                                          | Type                                                                                | Order No.              |            |
|                                                   |                 | Screw                                                                               | Tension clamp                                                                       |                        |            |
| RSF 20 GROUP                                      |                 |                                                                                     |  | RS F20 Z               | 8537110000 |
|                                                   |                 |  |                                                                                     | RS F20 LP2N 5/20       | 0224261001 |
| RSF 40 GROUP                                      |                 |                                                                                     |  | RS F40 Z               | 8537140000 |
|                                                   |                 |  |                                                                                     | RS F40 LP2N 5/40       | 0224461001 |
| RSSD 25 GROUP                                     |                 |                                                                                     |  | RS SD25 SZ             | 8537370000 |
|                                                   |                 |  |                                                                                     | RS SD25S UNC 4.40 LP2N | 8005181001 |
| RSSD 50 GROUP                                     |                 |                                                                                     |  | RS SD50 SZ             | 8537350000 |
|                                                   |                 |  |                                                                                     | RS SD50S UNC 4.40 LP2N | 8005161001 |

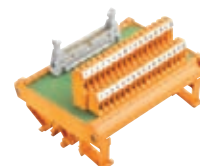


Table 2: Specific FAD

| STEP 1:<br>PLC Manufacturer                                                                                                          | STEP 2:<br>Identify the I/O card of PLC | STEP 3:<br>Choose the required field system | STEP 4:<br>Selected articles       |                                          |                             |                                |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------|------------------------------------|------------------------------------------|-----------------------------|--------------------------------|
|                                                                                                                                      |                                         |                                             | PLC Front adapters (FAD)           | Pre-assembled cable (PAC) <sup>(1)</sup> | Choose the interface module |                                |
|                                                                                                                                      |                                         |                                             |                                    |                                          | Passive modules             | Relay modules/<br>opto modules |
| Siemens S7-300                                                                                                                       | 6ES7 321-1BH01-0AA0                     | INTERFACE                                   | 1127850000 FAD S7/300 HE20 16 DIO  | 7789806LLL                               | H2016 GROUP                 |                                |
|                                                                                                                                      | 6ES7 321-1BH81-0AA0                     | MICROSERIES                                 | 1127850000 FAD S7/300 HE20 16 DIO  | 7789810LLL                               |                             | MICRO 16I GROUP                |
|                                                                                                                                      | 6ES7 321-1BH50-0AA0                     |                                             |                                    |                                          |                             |                                |
|                                                                                                                                      | 6ES7 321-7RD00-0AB0                     |                                             |                                    |                                          |                             |                                |
|                                                                                                                                      | 6ES7 321-1BL00-0AA0                     | INTERFACE                                   | 1127890000 FAD S7/300 HE40 32DIO   | 7789808LLL                               | RS32 GROUP                  |                                |
|                                                                                                                                      | 6ES7 321-1BL80-0AA0                     | MICROSERIES                                 | 1127880000 FAD S7/300 2XHE20 32DIO | 7789810LLL (2 units)                     |                             | MICRO 32I GROUP                |
|                                                                                                                                      | 6ES7 322-1BH01-0AA0                     | INTERFACE                                   | 1127850000 FAD S7/300 HE20 16 DIO  | 7789806LLL                               | H2016 GROUP                 | O2016 GROUP                    |
|                                                                                                                                      | 6ES7 322-1BH81-0AA0                     | MICROSERIES                                 | 1127850000 FAD S7/300 HE20 16 DIO  | 7789810LLL                               |                             | MICRO 160 GROUP                |
|                                                                                                                                      | 6ES7 322-1BL00-0AA0                     | INTERFACE                                   | 1127890000 FAD S7/300 HE40 32DIO   | 7789808LLL                               | RS32 GROUP                  | RSM-32 GROUP                   |
|                                                                                                                                      |                                         | MICROSERIES                                 | 1127880000 FAD S7/300 2XHE20 32DIO | 7789810LLL (2 units)                     |                             | MICRO 320 GROUP                |
| Rockwell Control-Logix                                                                                                               | 1756-IB16                               | INTERFACE                                   | 1127910000 FAD CTLX HE20 16DI      | 7789806LLL                               | H2016 GROUP                 |                                |
|                                                                                                                                      | 1756-IC16                               | MICROSERIES                                 | 1127910000 FAD CTLX HE20 16DI      | 7789810LLL                               |                             | MICRO 16I GROUP                |
|                                                                                                                                      | 1756-IN16                               |                                             |                                    |                                          |                             |                                |
|                                                                                                                                      | 1756-IB32                               | INTERFACE                                   | 1127940000 FAD CTLX HE40 32DI      | 7789808LLL                               | RS32 GROUP                  | RSM-32 GROUP                   |
|                                                                                                                                      |                                         | MICROSERIES                                 | 1127930000 FAD CTLX 2XHE20 32DI    | 7789810LLL (2 units)                     |                             | MICRO 32I GROUP                |
|                                                                                                                                      | 1756-OB16E                              | INTERFACE                                   | 1127950000 FAD CTLX HE20 16DO      | 7789806LLL                               | H2016 GROUP                 | O2016 GROUP                    |
|                                                                                                                                      | 1756-OV16E                              | MICROSERIES                                 | 1127950000 FAD CTLX HE20 16DO      | 7789810LLL                               |                             | MICRO 160 GROUP                |
|                                                                                                                                      | 1756-OB32                               | INTERFACE                                   | 1127980000 FAD CTLX HE40 32DO      | 7789808LLL                               | RS32 GROUP                  | RSM-32 GROUP                   |
|                                                                                                                                      |                                         | MICROSERIES                                 | 1127990000 FAD CTLX 2XHE20 32DO    | 7789810LLL (2 units)                     |                             | MICRO 320 GROUP                |
| (1) LLL means length of cable in dm Example LLL = 100 means 10 meters from end to end of the cable without measuring the connectors. |                                         |                                             |                                    |                                          |                             |                                |

(1) LLL means length of cable in dm Example LLL = 100 means 10 meters from end to end of the cable without measuring the connectors.

## STEP 5: Interface selection

## H2016 GROUP

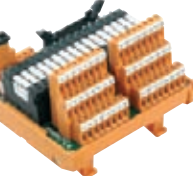
| Type   |                | Connection                                                                        |                                                                                   | LED                                                                               | Disconnectable                                                                    | Fuse                                                                              | Interfaces |                    |      |
|--------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|--------------------|------|
| Family | Type of wiring | Screw                                                                             | Tension clamp connection                                                          | by channel                                                                        |                                                                                   |                                                                                   | Order No.  | Type               | Page |
| H2016  | 1-wire         |  |                                                                                   |  |                                                                                   |                                                                                   | 9445700000 | RS 16IO 1W H S     | A.43 |
|        |                |  |                                                                                   |  |                                                                                   |                                                                                   | 9445710000 | RS 16IO 1W L H S   | A.43 |
|        |                |                                                                                   |  |  |                                                                                   |                                                                                   | 1311750000 | RS 16IO 1W H Z     | A.43 |
|        |                |                                                                                   |  |  |                                                                                   |                                                                                   | 1311770000 | RS 16IO 1W L H Z   | A.43 |
|        |                |  |  |  |  |                                                                                   | 9445810000 | RS 16IO 1W L H S   | A.44 |
|        | 2-wire         |                                                                                   |  |  |  |                                                                                   | 1311780000 | RS 16IO 1W L H Z   | A.44 |
|        |                |  |                                                                                   |  |                                                                                   |                                                                                   | 9445720000 | RS 16IO 2W H S     | A.45 |
|        |                |  |                                                                                   |  |                                                                                   |                                                                                   | 9445730000 | RS 16IO 2W L H S   | A.45 |
|        |                |                                                                                   |  |  |                                                                                   |                                                                                   | 1311790000 | RS 16IO 2W H Z     | A.45 |
|        |                |  |  |  |  |                                                                                   | 1311800000 | RS 16IO 2W L H Z   | A.45 |
|        |                |                                                                                   |  |  |  |                                                                                   | 1311810000 | RS 16IO 2W L H S   | A.46 |
|        |                |  |  |  |  |                                                                                   | 9445750000 | RS 16IO 2W L H S   | A.46 |
|        |                |                                                                                   |  |  |  |                                                                                   | 1311820000 | RS 16IO 2W L H Z   | A.46 |
|        |                |  |  |  |  |                                                                                   | 1311830000 | RS 16IO 2W L H Z   | A.46 |
|        |                |                                                                                   |  |  |                                                                                   |  | 9445820000 | RS 16IO 2W F H S   | A.47 |
|        |                |  |  |  |                                                                                   |  | 1311850000 | RS 16IO 2W F L H S | A.47 |
|        |                |                                                                                   |  |  |                                                                                   |  | 1311840000 | RS 16IO 2W F H Z   | A.47 |
|        |                |  |  |  |                                                                                   |  | 1311870000 | RS 16IO 2W F L H Z | A.47 |
|        | 3-wire         |                                                                                   |  |  |                                                                                   |                                                                                   | 9445760000 | RS 16IO 3W H S     | A.48 |
|        |                |  |  |  |                                                                                   |                                                                                   | 9445770000 | RS 16IO 3W L H S   | A.48 |
|        |                |                                                                                   |  |  |                                                                                   |                                                                                   | 1311880000 | RS 16IO 3W H Z     | A.48 |
|        |                |                                                                                   |  |  |                                                                                   |                                                                                   | 1311890000 | RS 16IO 3W L H Z   | A.48 |

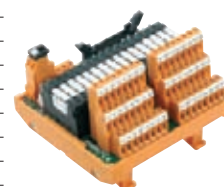
Versions with LED only for cards with nominal voltage of 24 V DC



## O2016 GROUP

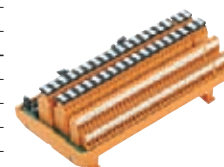
| Type of Interface  |        | Features                                                                            |                                                                                     |                                                                                     |               |                 |                                                                                     |                                                                                     |                  | Interfaces                                                                          |                       |                  |
|--------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|-----------------------|------------------|
| Number of channels | Family | Design                                                                              | Connection                                                                          |                                                                                     | Voltage       | Type of contact | Fuse                                                                                | Switch (coil)                                                                       | Switch (contact) | Order No.                                                                           | Type                  | Page             |
|                    |        |                                                                                     | Screw                                                                               | Tension clamp connection                                                            |               |                 |                                                                                     |                                                                                     |                  |                                                                                     |                       |                  |
| 16-channel         | O2016  |  |  |                                                                                     | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 1129010000                                                                          | RSM-16 PLC C 1CO S    | A.75             |
|                    |        |  |  |                                                                                     | 24 V DC       | 1CO             |                                                                                     |  |                  | 1129030000                                                                          | RSM-16 PLC C SW 1CO S | A.75             |
|                    |        |  |  |  | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 1129020000                                                                          | RSM-16 PLC C 1CO Z    | A.75             |
|                    |        |  |  |  | 24 V DC       | 1CO             |                                                                                     |  |                  | 1129040000                                                                          | RSM-16 PLC C SW 1CO Z | A.75             |
|                    |        | 1 line                                                                              |  |                                                                                     | 24 V DC (+/-) | 1CO             |                                                                                     |                                                                                     |                  | 1129100000                                                                          | RSM-16 PLC 1CO S      | A.76             |
|                    |        | 1 line                                                                              |  |                                                                                     | 24 V DC (+/-) | 1CO             |                                                                                     |  |                  | 1129120000                                                                          | RSM-16 PLC SW 1CO S   | A.76             |
|                    |        | 1 line                                                                              |  |  | 24 V DC (+/-) | 1CO             |                                                                                     |                                                                                     |                  | 1129110000                                                                          | RSM-16 PLC 1CO Z      | A.76             |
|                    |        | 1 line                                                                              |  |  | 24 V DC (+/-) | 1CO             |                                                                                     |  |                  | 1129130000                                                                          | RSM-16 PLC SW 1CO Z   | A.76             |
|                    |        | 2 lines                                                                             |  |                                                                                     | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 9445100000                                                                          | RSM-16 C 1CO S        | A.77             |
|                    |        | 2 lines                                                                             |  |  | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 9447100000                                                                          | RSM-16 C 1CO Z        | A.77             |
|                    |        | 1 line                                                                              |  |                                                                                     | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 9444610000                                                                          | RSM-16 24V(-/+) 1CO S | A.78             |
|                    |        | 1 line                                                                              |  |  | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 9444660000                                                                          | RSM-16 24V(-/+) 1CO Z | A.78             |
|                    |        | 1 line                                                                              |  |                                                                                     | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 9445160000                                                                          | RSM-16 2CO S          | A.79             |
|                    |        | 1 line                                                                              |  |  | 24 V DC       | 1CO             |                                                                                     |                                                                                     |                  | 9447160000                                                                          | RSM-16 2CO Z          | A.79             |
|                    |        | 1 line                                                                              |  |                                                                                     | 24 V DC       | 1CO             |  |                                                                                     |                  | 9445120000                                                                          | RSM-16 FUS 1CO S      | A.80             |
|                    |        | 1 line                                                                              |  |  | 24 V DC       | 1CO             |  |                                                                                     |                  | 9447120000                                                                          | RSM-16 FUS 1CO Z      | A.80             |
|                    |        |                                                                                     |                                                                                     |  |               |                 | 24 V DC                                                                             | 1CO                                                                                 |                  |  | 9445140000            | RSM-16 FOR 1CO S |





## RS32 GROUP

| Type of wiring | Connection                                                                          |                                                                                     | LED by channel                                                                      | Fuse                                                                                | Order No.  | Type                  | Page |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|-----------------------|------|
|                | Screw                                                                               | Tension clamp connection                                                            |                                                                                     |                                                                                     |            |                       |      |
| 1-wire         |  |  |                                                                                     |                                                                                     | 8428880000 | RS F40 I/O32 LMZF     | B.24 |
|                |  |                                                                                     |  |                                                                                     | 1128140000 | RSF PLC 1W 32IO S     | B.24 |
|                |  |                                                                                     |  |                                                                                     | 1128160000 | RSF PLC 1W 32IO LED S | B.25 |
|                |                                                                                     |  |  |                                                                                     | 1128150000 | RSF PLC 1W 32IO Z     | B.24 |
|                |                                                                                     |  |  |                                                                                     | 1128170000 | RSF PLC 1W 32IO LED Z | B.25 |
| 2-wire         |  |                                                                                     |  |                                                                                     | 1128180000 | RSF PLC 2W 32IO S     | B.26 |
|                |                                                                                     |  |  |                                                                                     | 1128200000 | RSF PLC 2W 32IO LED S | B.26 |
|                |                                                                                     |  |  |                                                                                     | 1128190000 | RSF PLC 2W 32IO Z     | B.26 |
|                |                                                                                     |  |  |                                                                                     | 1128210000 | RSF PLC 2W 32IO LED Z | B.26 |
|                |                                                                                     |                                                                                     |  |  | 1128240000 | RSF PLC 2W 32IO FUS S | B.27 |
|                |                                                                                     |  |  |  | 1128250000 | RSF PLC 2W 32IO FUS Z | B.27 |
| 3-wire         |                                                                                     |  |  |                                                                                     | 8430980000 | RS F40 INIT32 LMZF    | B.28 |
|                |                                                                                     |  |  |                                                                                     | 8428900000 | RS F40 INIT32 LD LMZF | B.29 |



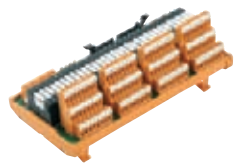
FAD – Selection guide

STEP 5: Interface selection

RSM-32 GROUP

| Type of Interface  |        | Funcionalidades                                                                   |                                                                                   |                                                                                   |                 |                                                                                   | Interfaces |                       |      |
|--------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|------------|-----------------------|------|
| Number of channels | Family | Design                                                                            | Connection                                                                        |                                                                                   | Type of contact | Switch (coil)                                                                     | Order No.  | Type                  | Page |
|                    |        |                                                                                   | Screw                                                                             | Tension clamp connection                                                          |                 |                                                                                   |            |                       |      |
| 32-channel         | RSM-32 |  |  |                                                                                   | 1CO             |                                                                                   | 1129050000 | RSM-32 PLC C 1CO S    | B.31 |
|                    |        |  |  |                                                                                   | 1CO             |  | 1129080000 | RSM-32 PLC C SW 1CO S | B.31 |
|                    |        |  |  |                                                                                   | 1CO             |                                                                                   | 1129070000 | RSM-32 PLC C 1CO Z    | B.31 |
|                    |        |  |                                                                                   |  | 1CO             |  | 1129090000 | RSM-32 PLC C SW 1CO Z | B.31 |
|                    |        |                                                                                   |  |                                                                                   | 1CO             |                                                                                   | 1129140000 | RSM-32 PLC 1CO S      | B.32 |
|                    |        |                                                                                   |  |                                                                                   | 1CO             |  | 1129170000 | RSM-32 PLC SW 1CO S   | B.32 |
|                    |        |                                                                                   |                                                                                   |  | 1CO             |                                                                                   | 1129150000 | RSM-32 PLC 1CO Z      | B.32 |
|                    |        |                                                                                   |                                                                                   |  | 1CO             |  | 1129180000 | RSM-32 PLC SW 1CO Z   | B.32 |
|                    |        |                                                                                   |                                                                                   |                                                                                   |                 |                                                                                   |            |                       |      |

Versions with LED only for cards with nominal voltage of 24 V DC



MICROSERIES GROUP

| MICROSERIES (relays) | Connection                                                                        |                                                                                   | Order No.<br>Adapter | Order No.<br>Input or output Relay |
|----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|------------------------------------|
|                      | Screw                                                                             | Tension clamp connection                                                          |                      |                                    |
| MICRO 16O GROUP      |  |                                                                                   | 8773600000 (x2units) | 8533640000 (x16units)              |
|                      |                                                                                   |  | 8773620000 (x2units) | 8533660000 (x16units)              |
| MICRO 32O GROUP      |  |                                                                                   | 8773600000 (x4units) | 8533640000 (x32units)              |
|                      |                                                                                   |  | 8773620000 (x4units) | 8533660000 (x32units)              |
| MICRO 16I GROUP      |  |                                                                                   | 8773510000 (x2units) | 8596060000 (x16units)              |
|                      |                                                                                   |  | 8773530000 (x2units) | 8596080000 (x16units)              |
| MICRO 32I GROUP      |  |                                                                                   | 8773510000 (x4units) | 8596060000 (x32units)              |
|                      |                                                                                   |  | 8773530000 (x4units) | 8596080000 (x32units)              |





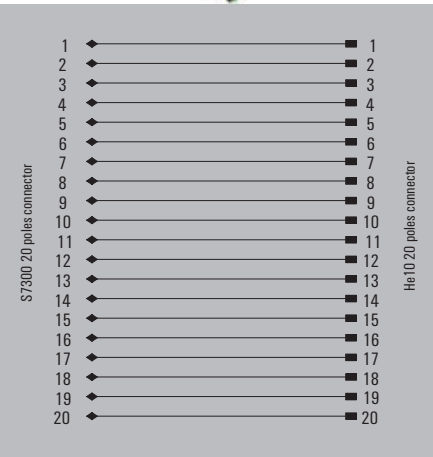
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters for Siemens S7-300

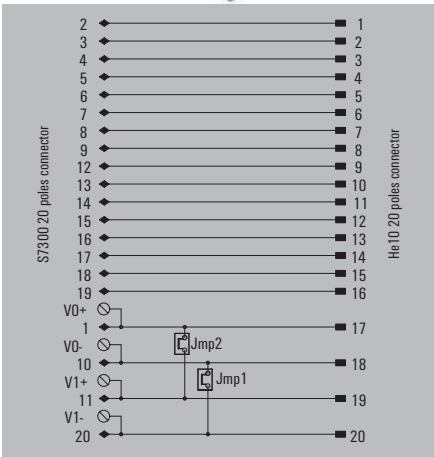
Front adapters for Siemens S7-300 cards with 20 and 40 poles.

- The voltage may be supplied directly to the front adapter and can be distributed in common or separately by byte (8 signals)

FAD S7/300 HE20 UNIV



FAD S7/300 HE20 16 DIO



Technical data

| Connection data                   |
|-----------------------------------|
| Connection to the card            |
|                                   |
| Connection (field side)           |
| Rated data                        |
| Operating voltage                 |
| Max. current per channel          |
| Max. current per byte             |
| Total operating current           |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Insulation test voltage           |

|                                                                                      |
|--------------------------------------------------------------------------------------|
| Siemens S7-300 card with 20-pole connector and operating voltage ≤ 30 V AC / 60 V DC |
| IEC 603-1 / DIN 41651 20p                                                            |
| 30 V AC / 60 V DC                                                                    |
| 1 A                                                                                  |
| 20 A                                                                                 |
| -25...+50°C                                                                          |
| -40...+60 °C                                                                         |
| CE                                                                                   |
| < 50 V AC                                                                            |
| III                                                                                  |
| 2                                                                                    |
| 0.35 kVAC                                                                            |

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| 6ES7 321-1BH01-0AA0, 6ES7 321-1BH81-0AA0, 6ES7 321-1BH50-0AA0, 6ES7 321-7RD00-0AB0, 6ES7 322-1BH01-0AB0, 6ES7 322-1BH81-0AA0 |
| IEC 603-1 / DIN 41651 20p                                                                                                    |
| 30 V AC / 60 V DC                                                                                                            |
| 1 A                                                                                                                          |
| 2 A                                                                                                                          |
| -25...+50°C                                                                                                                  |
| -40...+60 °C                                                                                                                 |
| CE                                                                                                                           |
| < 50 V AC                                                                                                                    |
| III                                                                                                                          |
| 2                                                                                                                            |
| 0.35 kVAC                                                                                                                    |

| Dimensions     |
|----------------|
| Length x width |

|                |
|----------------|
| 124 mm / 23 mm |
|----------------|

|                |
|----------------|
| 124 mm / 23 mm |
|----------------|

| Note |
|------|
|------|

| Note |
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| Note |
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Ordering data

| Type | Order No. |
|------|-----------|
|------|-----------|

| Type                 | Order No.  |
|----------------------|------------|
| FAD S7/300 HE20 UNIV | 1127840000 |

| Type                  | Order No.  |
|-----------------------|------------|
| FAD S7/300 HE20 16DIO | 1127850000 |

| Note |
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| Note |
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| Note |
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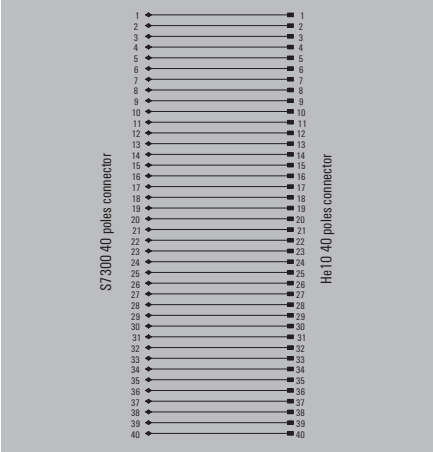
Accessories

| Note |
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| Note |
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FAD S7/300 HE40 UNIV



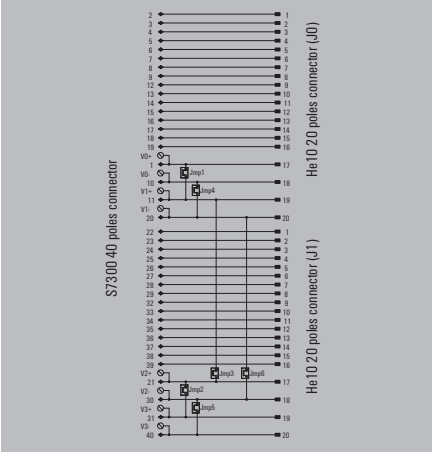
|                                                                                         |  |
|-----------------------------------------------------------------------------------------|--|
| Siemens S7-300 card with 40-pole connector and operating voltage<br>≤ 30 V AC / 60 V DC |  |
| Plug-in connectors according to IEC 603-1 / DIN 41651 40p                               |  |
| 30 V AC / 60 V DC                                                                       |  |
| 1 A                                                                                     |  |
| 40 A                                                                                    |  |
| -25...+50°C                                                                             |  |
| -40...+60 °C                                                                            |  |
| CE                                                                                      |  |
| < 50 V AC                                                                               |  |
| III                                                                                     |  |
| 2                                                                                       |  |
| 0.35 kVAC                                                                               |  |

|                  |
|------------------|
| 115 mm / 21.5 mm |
|                  |
|                  |
|                  |

| Type                 | Order No.  |
|----------------------|------------|
| FAD S7/300 HE40 UNIV | 1127870000 |

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FAD S7/300 2XHE20 32DIO



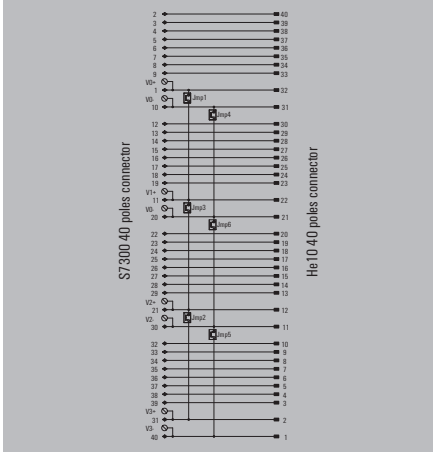
|                                                               |  |
|---------------------------------------------------------------|--|
| 6ES7 321-1BL00-0AA0, 6ES7 321-1BL80-0AB0, 6ES7 322-1BL00-0AA0 |  |
| 2 x plug-in connectors according to IEC 603-1 / DIN 41651 20p |  |
| 30 V AC / 60 V DC                                             |  |
| 1 A                                                           |  |
| 2 A                                                           |  |
| -25...+50°C                                                   |  |
| -40...+60 °C                                                  |  |
| CE                                                            |  |
| < 50 V AC                                                     |  |
| III                                                           |  |
| 2                                                             |  |
| 0.35 kVAC                                                     |  |

|                  |
|------------------|
| 115 mm / 21.5 mm |
|                  |
|                  |
|                  |

| Type                    | Order No.  |
|-------------------------|------------|
| FAD S7/300 2XHE20 32DIO | 1127880000 |

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FAD S7/300 HE40 32DIO



|                                                               |  |
|---------------------------------------------------------------|--|
| 6ES7 321-1BL00-0AA0, 6ES7 321-1BL80-0AB0, 6ES7 322-1BL00-0AA0 |  |
| Plug-in connectors according to IEC 603-1 / DIN 41651 40p     |  |
| 30 V AC / 60 V DC                                             |  |
| 1 A                                                           |  |
| 2 A                                                           |  |
| -25...+50°C                                                   |  |
| -40...+60 °C                                                  |  |
| CE                                                            |  |
| < 50 V AC                                                     |  |
| III                                                           |  |
| 2                                                             |  |
| 0.35 kVAC                                                     |  |

|                  |
|------------------|
| 115 mm / 21.5 mm |
|                  |
|                  |
|                  |

| Type                  | Order No.  |
|-----------------------|------------|
| FAD S7/300 HE40 32DIO | 1127890000 |

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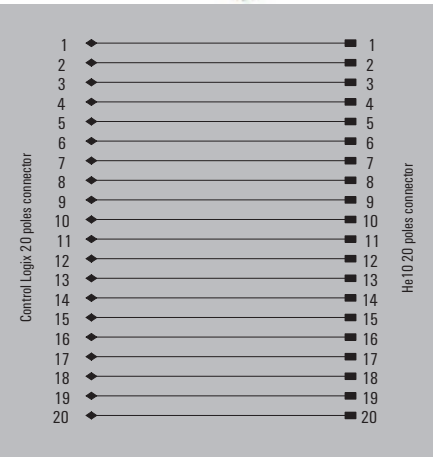
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters  
for Rockwell Control-Logix

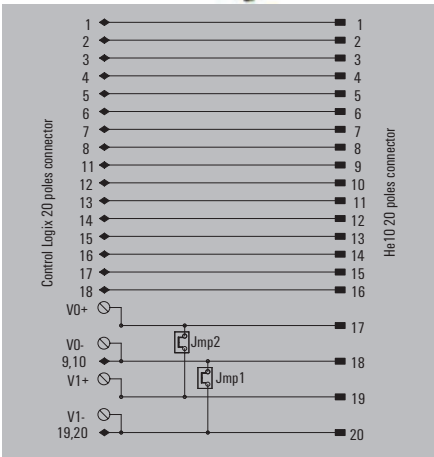
Front adapters for Rockwell Control-Logix cards with 20 and 36 poles.

- The voltage may be supplied directly to the front adapter and can be distributed in common or separately by byte (8 signals)

FAD CLTX HE20 UNIV



FAD CLTX HE20 16DI



Technical data

| Connection data                   |
|-----------------------------------|
| Connection to the card            |
|                                   |
| Connection (field side)           |
| Rated data                        |
| Operating voltage                 |
| Max. current per channel          |
| Max. current per byte             |
| Total operating current           |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Insulation test voltage           |

|                                                                                     |
|-------------------------------------------------------------------------------------|
| Control Logix card with 20-pole connector and operating voltage ≤ 30 V AC / 60 V DC |
| IEC 603-1 / DIN 41651 20p                                                           |
| 30 V AC / 60 V DC                                                                   |
| 1 A                                                                                 |
| 20 A                                                                                |
| -25...+50°C                                                                         |
| -40...+60 °C                                                                        |
| CE                                                                                  |
| < 50 V AC                                                                           |
| III                                                                                 |
| 2                                                                                   |
| 0.35 kVAC                                                                           |

|                                 |
|---------------------------------|
| 1756-IB16, 1756-IC16, 1756-IN16 |
| IEC 603-1 / DIN 41651 20p       |
| 30 V AC / 60 V DC               |
| 1 A                             |
| 2 A                             |
| -25...+50°C                     |
| -40...+60 °C                    |
| CE                              |
| < 50 V AC                       |
| III                             |
| 2                               |
| 0.35 kVAC                       |

| Dimensions     |
|----------------|
| Length x width |

|                  |
|------------------|
| 34.5 mm / 110 mm |
|------------------|

|                  |
|------------------|
| 34.5 mm / 110 mm |
|------------------|

| Note |
|------|
|------|

| Note |
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| Note |
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|------|

Ordering data

| Type | Order No. |
|------|-----------|
|------|-----------|

| Type               | Order No.  |
|--------------------|------------|
| FAD CLTX HE20 UNIV | 1127900000 |

| Type               | Order No.  |
|--------------------|------------|
| FAD CLTX HE20 16DI | 1127910000 |

| Note |
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| Note |
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| Note |
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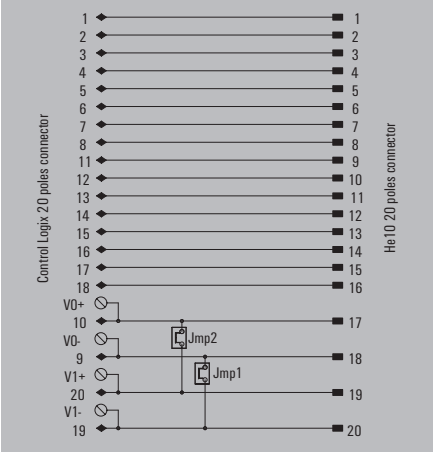
Accessories

| Note |
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| Note |
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FAD CLTX HE20 16DO

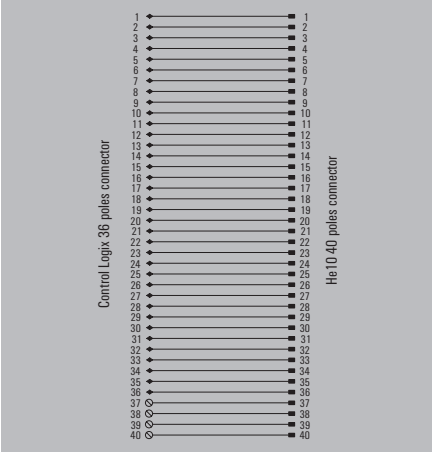


|                           |
|---------------------------|
| 1756-0B16E, 1756-0V16E    |
| IEC 603-1 / DIN 41651 20p |
| 30 V AC / 60 V DC         |
| 1 A                       |
| 2 A                       |
| -25...+50°C               |
| -40...+60 °C              |
| CE                        |
| < 50 V AC                 |
| III                       |
| 2                         |
| 0.35 kVAC                 |

|                  |
|------------------|
| 34.5 mm / 110 mm |
|                  |
|                  |

| Type               | Order No.  |
|--------------------|------------|
| FAD CLTX HE20 16DO | 1127950000 |

FAD CLTX HE40 UNIV

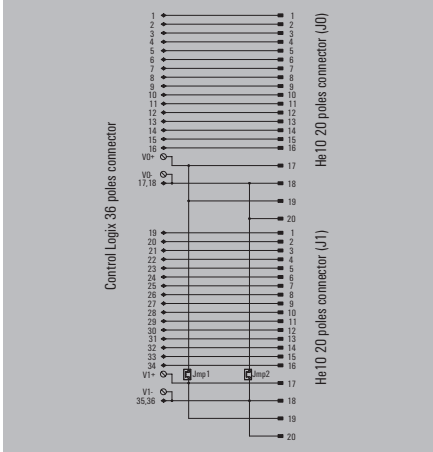


|                                                                                     |
|-------------------------------------------------------------------------------------|
| Control Logix card with 36-pole connector and operating voltage ≤ 30 V AC / 60 V DC |
| Plug-in connectors according to IEC 603-1 / DIN 41651 40p                           |
| 30 V AC / 60 V DC                                                                   |
| 1 A                                                                                 |
| 40 A                                                                                |
| -25...+50°C                                                                         |
| -40...+60 °C                                                                        |
| CE                                                                                  |
| < 50 V AC                                                                           |
| III                                                                                 |
| 2                                                                                   |
| 0.35 kVAC                                                                           |

|                  |
|------------------|
| 34.5 mm / 110 mm |
|                  |
|                  |

| Type               | Order No.  |
|--------------------|------------|
| FAD CLTX HE40 UNIV | 1127920000 |

FAD CLTX 2XHE20 32DI



|                                                               |
|---------------------------------------------------------------|
| 1756-IB32                                                     |
| 2 x plug-in connectors according to IEC 603-1 / DIN 41651 20p |
| 30 V AC / 60 V DC                                             |
| 1 A                                                           |
| 2 A                                                           |
| -25...+50°C                                                   |
| -40...+60 °C                                                  |
| CE                                                            |
| < 50 V AC                                                     |
| III                                                           |
| 2                                                             |
| 0.35 kVAC                                                     |

|                  |
|------------------|
| 34.5 mm / 110 mm |
|                  |
|                  |

| Type                 | Order No.  |
|----------------------|------------|
| FAD CLTX 2XHE20 32DI | 1127930000 |

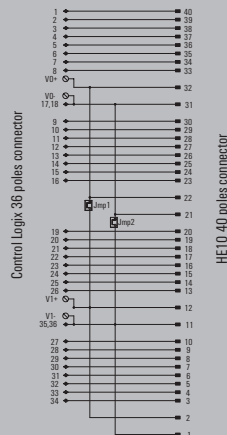
# FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

## FAD - Front adapters for Rockwell Control-Logix

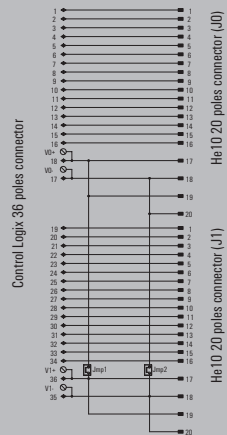
Front adapters for Rockwell Control-Logix cards with 20 and 36 poles.

- The voltage may be supplied directly to the front adapter and can be distributed in common or separately by byte (8 signals)

### FAD CLTX HE40 32DI



### FAD CLTX 2XHE20 32DO



## Technical data

### Connection data

Connection to the card

1756-IB32

1756-OB32

Connection (field side)

Plug-in connectors according to IEC 603-1 / DIN 41651 40p

2 x plug-in connectors according to IEC 603-1 / DIN 41651 20p

### Rated data

Operating voltage

30 V AC / 60 V DC

30 V AC / 60 V DC

Max. current per channel

1 A

1 A

Max. current per byte

2 A

2 A

Total operating current

### General data

Ambient temperature (operational)

-25...+50°C

-25...+50°C

Storage temperature

-40...+60 °C

-40...+60 °C

Approvals

CE

CE

### Insulation coordination (EN50178)

Rated insulation voltage

< 50 V AC

< 50 V AC

Surge voltage category

III

III

Pollution severity level

2

2

Insulation test voltage

0.35 kVAC

0.35 kVAC

### Dimensions

Length x width

34.5 mm / 110 mm

34.5 mm / 110 mm

### Note

## Ordering data

| Type               | Order No.  |
|--------------------|------------|
| FAD CLTX HE40 32DI | 1127940000 |

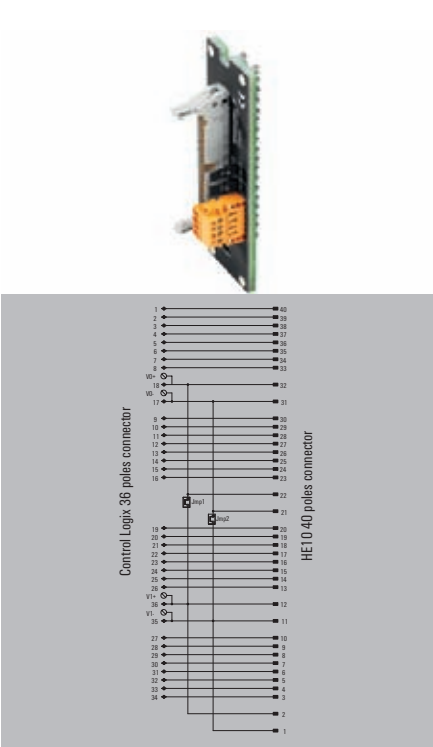
| Type                 | Order No.  |
|----------------------|------------|
| FAD CLTX 2XHE20 32DO | 1127990000 |

### Note

## Accessories

### Note

FAD CLTX HE40 32DO



1756-0B32

Plug-in connectors according to IEC 603-1 / DIN 41651 40p

30 V AC / 60 V DC  
1 A  
2 A

-25...+50°C  
-40...+60 °C  
CE  
< 50 V AC  
III  
2  
0.35 kVAC

34.5 mm / 110 mm

| Type               | Order No.  |
|--------------------|------------|
| FAD CLTX HE40 32DO | 1127980000 |

# RSF PLC - Passive interface for digital signals

## RSF PLC-Passive interface

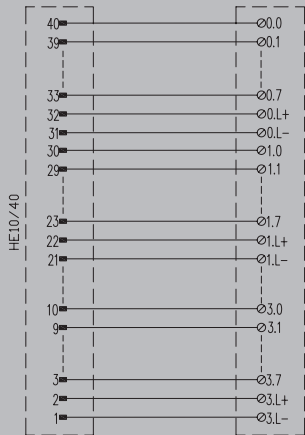
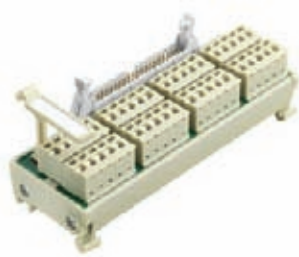
### for 1 wire digital signals

Compact interfaces for the transmission of 32 digital input/output signals (RSF PLC)

- Signals can be grouped by byte (selected via jumpers)
- Option of switching by positive or negative signals (selected via jumpers)
- Optional status indicator (LED) showing the operating status and voltages
- Screw or tension clamp connection

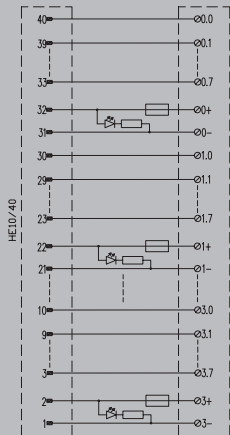
## RS F40 INIT32

1 wire



## RSF PLC 1W 32IO

1 wire



## Technical data

| Connection data and functionality   |
|-------------------------------------|
| Connection on control side          |
| Number of poles (control side)      |
| LED status display per channel      |
| LED status of the supply voltage    |
| Fuse per channel                    |
| Power supply fuse                   |
| Rated data                          |
| Operating voltage                   |
| Max. current per channel            |
| Max. current per byte               |
| Operating voltage (supply)          |
| Operating current (supply)          |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Insulation test voltage             |
| Dimensions                          |
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |
|----------------------------------------------|
| 40-pole plug                                 |
| No                                           |
| No                                           |
| No                                           |
| No                                           |
| 50 V AC                                      |
| 1 A                                          |
|                                              |
|                                              |
| 0...+55°C                                    |
| -40...+70 °C                                 |
| CE; GOSTME25                                 |
| < 50 V AC                                    |
| III                                          |
| 2                                            |
| 0.35 kVAC                                    |
| Tension clamp connection                     |
| 0.5 mm² / 1.5 mm²                            |
| 0.5 mm² / 1.5 mm²                            |
| TS 35                                        |
| 125 mm / 45 mm                               |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |
|----------------------------------------------|
| 40-pole plug                                 |
| No                                           |
| No                                           |
| No                                           |
| 2.5 A                                        |
| 30 V AC / 60 V DC                            |
| 1 A                                          |
| 2 A                                          |
| 24 V DC ± 10%                                |
| 4 A                                          |
| -25...+50°C                                  |
| -40...+60 °C                                 |
| CE                                           |
| < 50 V AC                                    |
| III                                          |
| 2                                            |
| 0.35 kVAC                                    |
| Screw connection                             |
| 0.13 mm² / 6 mm²                             |
| 0.13 mm² / 6 mm²                             |
| TS 32, TS 35                                 |
| 113 mm / 87 mm                               |
| Tension clamp connection                     |
| 0.13 mm² / 2.5 mm²                           |
| 0.13 mm² / 2.5 mm²                           |
| TS 32, TS 35                                 |
| 113 mm / 87 mm                               |
| Factory setting: Common negative pole        |

## Ordering data

|      |                                      |
|------|--------------------------------------|
|      | Screw connection without LED         |
|      | Screw connection with LED            |
|      | Tension-clamp connection without LED |
|      | Tension-clamp connection with LED    |
| Note |                                      |

## Accessories

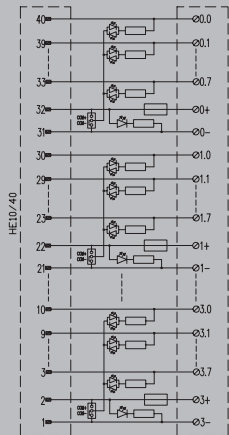
|      |
|------|
| Note |
|------|

| Type              | Height | Order No.  |
|-------------------|--------|------------|
| RS F40 I/O32 LMZF | 54 mm  | 8428880000 |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |

| Type              | Height | Order No.  |
|-------------------|--------|------------|
| RSF PLC 1W 32IO S | 72 mm  | 1128140000 |
| RSF PLC 1W 32IO Z | 72 mm  | 1128150000 |
|                   |        |            |
|                   |        |            |
|                   |        |            |

RSF PLC 1W 32IO LEDS

1 wire with LED



|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
| 40-pole plug                                 |                                            |
| Green(common negative)/Red(common positive)  |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 1 A                                          |                                            |
| 2 A                                          |                                            |
| 24 V DC ± 10%                                |                                            |
| 4 A                                          |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
| < 50 V AC                                    |                                            |
| III                                          |                                            |
| 2                                            |                                            |
| 0.35 kVAC                                    |                                            |
| <b>Screw connection</b>                      | <b>Tension clamp connection</b>            |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 113 mm / 87 mm                               | 113 mm / 87 mm                             |
| Factory setting: Common negative pole        |                                            |

| Type                   | Height | Order No.  |
|------------------------|--------|------------|
| RSF PLC 1W 32IO LEDS S | 72 mm  | 1128160000 |
| RSF PLC 1W 32IO LEDS Z | 72 mm  | 1128170000 |

# RSF PLC - Passive interface for digital signals

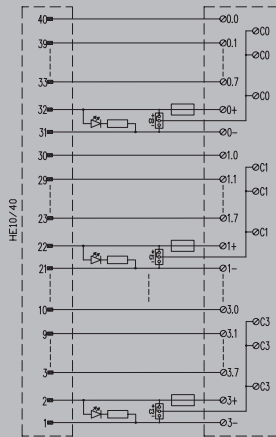
## RSF PLC - Passive Interface for 2 wire digital signals

Compact interfaces for the transmission of 32 digital input/output signals (RSF PLC)

- Signals can be grouped by byte (selected via jumpers)
- Option of switching by positive or negative signals (selected via jumpers)
- Optional status indicator (LED) showing the operating status and voltages
- Screw or tension clamp connection

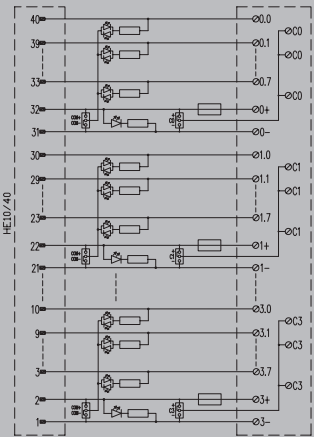
### RSF PLC 2W 32IO

2 wires



### RSF PLC 2W 32IO LEDS

2 wires with LED



## Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| LED status display per channel      |  |
| LED status of the supply voltage    |  |
| Fuse per channel                    |  |
| Power supply fuse                   |  |
| Rated data                          |  |
| Operating voltage                   |  |
| Max. current per channel            |  |
| Max. current per byte               |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated insulation voltage            |  |
| Surge voltage category              |  |
| Pollution severity level            |  |
| Insulation test voltage             |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

## Ordering data

|      | Screw connection without LED         |
|------|--------------------------------------|
|      | Screw connection with LED            |
|      | Tension-clamp connection without LED |
|      | Tension-clamp connection with LED    |
| Note |                                      |

## Accessories

| Note |
|------|
|------|

| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 40-pole plug                                 |                                            |
| No                                           |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
|                                              |                                            |
| 30 V AC / 60 V DC                            |                                            |
| 1 A                                          |                                            |
| 2 A                                          |                                            |
| 24 V DC ± 10%                                |                                            |
| 4 A                                          |                                            |
|                                              |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| III                                          |                                            |
| 2                                            |                                            |
| 0.35 kVAC                                    |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 170 mm / 87 mm                               | 170 mm / 87 mm                             |
| Factory setting: Common negative pole        |                                            |

| Type              | Height | Order No.  |
|-------------------|--------|------------|
| RSF PLC 2W 32IO S | 72 mm  | 1128180000 |
| RSF PLC 2W 32IO Z | 72 mm  | 1128190000 |

|--|

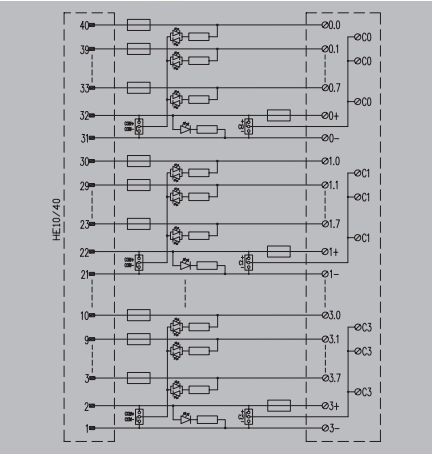
| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 40-pole plug                                 |                                            |
| Green(common negative)/Red(common positive)  |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
|                                              |                                            |
| 24 V DC ± 10%                                |                                            |
| 1 A                                          |                                            |
| 2 A                                          |                                            |
| 24 V DC ± 10%                                |                                            |
| 4 A                                          |                                            |
|                                              |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| III                                          |                                            |
| 2                                            |                                            |
| 0.35 kVAC                                    |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 170 mm / 87 mm                               | 170 mm / 87 mm                             |
| Factory setting: Common negative pole        |                                            |

| Type                   | Height | Order No.  |
|------------------------|--------|------------|
| RSF PLC 2W 32IO LEDS S | 72 mm  | 1128200000 |
| RSF PLC 2W 32IO LEDS Z | 72 mm  | 1128210000 |

|--|

RSF PLC 2W 32IO FUS

2 wires with LED with and fuses per channel



|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                 |
| 40-pole plug                                 |                                 |
| Green(common negative)/Red(common positive)  |                                 |
| yellow                                       |                                 |
| 500 mA                                       |                                 |
| 2.5 A                                        |                                 |
| 24 V DC ± 10%                                |                                 |
| 1 A                                          |                                 |
| 2 A                                          |                                 |
| 24 V DC ± 10%                                |                                 |
| 4 A                                          |                                 |
| -25...+50°C                                  |                                 |
| -40...+60 °C                                 |                                 |
| < 50 V AC                                    |                                 |
| III                                          |                                 |
| 2                                            |                                 |
| 0.35 kVAC                                    |                                 |
| <b>Screw connection</b>                      | <b>Tension clamp connection</b> |
| 0.13 mm² / 6 mm²                             | 0.13 mm² / 2.5 mm²              |
| 0.13 mm² / 6 mm²                             | 0.13 mm² / 2.5 mm²              |
| TS 32, TS 35                                 | TS 32, TS 35                    |
| 200 mm / 109 mm                              | 200 mm / 109 mm                 |
| Factory setting: Common negative pole        |                                 |

| Type                  | Height | Order No.  |
|-----------------------|--------|------------|
| RSF PLC 2W 32IO FUS S | 72 mm  | 1128240000 |
| RSF PLC 2W 32IO FUS Z | 72 mm  | 1128250000 |

RSF PLC - Passive interface for digital signals

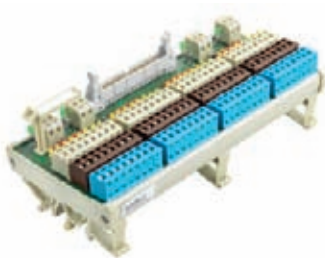
RSF PLC - Passive interface  
for 3 wire digital signals

Compact interfaces for the transmission of 32 digital input/  
output signals (RSF PLC)

- Signals can be grouped by byte (selected via jumpers)
- Optional status indicator (LED)

RSF F40 INIT32 LMZF

3 wires



Technical data

| Connection data and functionality     |                    |
|---------------------------------------|--------------------|
| Connection on control side            |                    |
| Number of poles (control side)        |                    |
| LED status display per channel        |                    |
| LED status of the supply voltage      |                    |
| Fuse per channel                      |                    |
| Power supply fuse                     |                    |
| Rated data                            |                    |
| Operating voltage                     | 50 V AC            |
| Max. current per channel              | 1 A                |
| Max. current per byte                 |                    |
| Operating voltage (supply)            | 24 V DC ± 10%      |
| Operating current (supply)            |                    |
| General data                          |                    |
| Ambient temperature (operational)     | -25...+50 °C       |
| Storage temperature                   | -40...+60 °C       |
| Approvals                             | CE, GOSTME25       |
| Insulation coordination (EN50178)     |                    |
| Rated insulation voltage              | < 50 V AC          |
| Surge voltage category                | III                |
| Pollution severity level              | 2                  |
| Insulation test voltage               | 0.35 kVAC          |
| Dimensions                            |                    |
| Clamping range, min. /max. [Field]    | 0.15 mm² / 1.5 mm² |
| Clamping range, min. /max. [supply]   | 0.15 mm² / 1.5 mm² |
| Mounting rail                         | TS 32, TS 35       |
| Length x width                        | 185 mm / 87 mm     |
| Note                                  |                    |
| Factory setting: Common negative pole |                    |

Ordering data

|                                      |
|--------------------------------------|
| Tension-clamp connection without LED |
| Tension-clamp connection with LED    |

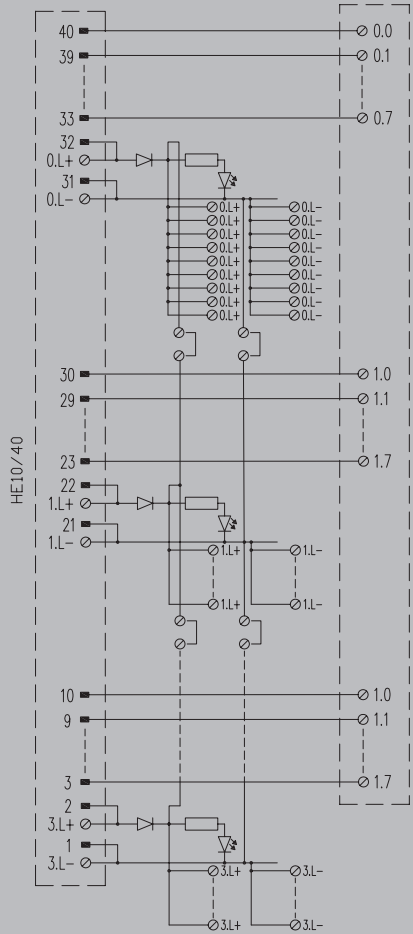
|      |
|------|
| Note |
|------|

Accessories

|      |
|------|
| Note |
|------|

| Plug-in connector acc. IEC 603-1 / DIN 41651 |  |
|----------------------------------------------|--|
| 40-pole plug                                 |  |
| No                                           |  |
| No                                           |  |
| No                                           |  |
| No                                           |  |
| Tension clamp connection                     |  |
| 0.15 mm² / 1.5 mm²                           |  |
| 0.15 mm² / 1.5 mm²                           |  |
| TS 32, TS 35                                 |  |
| 185 mm / 87 mm                               |  |
| Factory setting: Common negative pole        |  |

| Type               | Height | Order No.  |
|--------------------|--------|------------|
| RS F40 INIT32 LMZF | 73 mm  | 8430980000 |



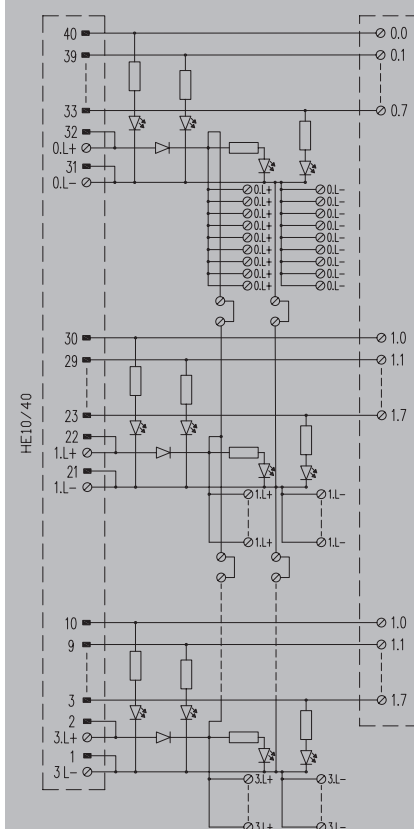
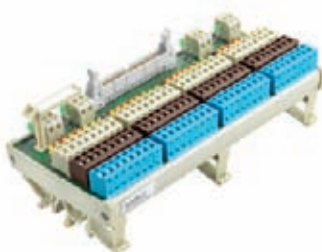
### RSF PLC - Passive interface for 3 wire digital signals

Compact interfaces for the transmission of 32 digital input/output signals (RSF PLC)

- Signals can be grouped by byte (selected via jumpers)
- Optional status indicator (LED)

## RSF F40 INIT32 LD

### 3 wires with LED



## Technical data

### Connection data and functionality

Connection on control side  
Number of poles (control side)  
LED status display per channel  
LED status of the supply voltage  
Fuse per channel  
Power supply fuse

**Rated data**

|                            |        |
|----------------------------|--------|
| Operating voltage          | 5 V    |
| Max. current per channel   | 100 mA |
| Max. current per byte      | 100 mA |
| Operating voltage (supply) | 5 V    |
| Operating current (supply) | 100 mA |

### General data

Ambient temperature (operational)  
Storage temperature  
Approvals

## Insulation coordination (EN50178)

Rated insulation voltage  
Surge voltage category  
Pollution severity level  
Insulation test voltage

### Dimensions

Clamping range, min. /max. [Field]  
Clamping range, min. /max. [supply]  
Mounting rail  
Length x width

**Note**

## Ordering data

Tension-clamp connection without LED  
Tension-clamp connection with LED

### Note

## Accessories

**Note**

|                                              |
|----------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |
| 40-pole plug                                 |
| yellow                                       |
| green                                        |
| No                                           |
| No                                           |
|                                              |
| 24 V DC $\pm$ 10%                            |
| 1 A                                          |
|                                              |
| 24 V DC $\pm$ 10%                            |
|                                              |
|                                              |
| -25...+50°C                                  |
| -40...+60 °C                                 |
| CE; GOSTME25                                 |
|                                              |
| < 50 V AC                                    |
| III                                          |
| 2                                            |
| 0.35 kVAC                                    |
|                                              |
| <b>Tension clamp connection</b>              |
| 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup>   |
| 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup>   |
| TS 32, TS 35                                 |
| 185 mm / 87 mm                               |
| Factory setting: Common negative pole        |

| Type                  | Height | Order No.  |
|-----------------------|--------|------------|
| RS F40 INIT32 LD LMZF | 73 mm  | 8428900000 |

# RSM - Isolated interfaces for digital signals

## RSM - Interfaces for 16 isolated digital signals

Relay digital output interface for transmitting electrical signals between the PLC and field via SIM cables or front adapters FAD.

- Electrical insulation using pluggable relays (interchangeable with solid-state relays)
- Status indicator (LED)
- Screw or tension clamp connection

### RSF40 16 RS OUT

RCL relay with 1 CO contact



### Technical data

| Connection data and functionality |                                      |
|-----------------------------------|--------------------------------------|
| Connection on control side        |                                      |
| Number of poles (control side)    |                                      |
| Relay type                        |                                      |
| LED status display per relay      |                                      |
| LED status of the supply voltage  |                                      |
| Fuse per relay                    |                                      |
| Power supply fuse                 |                                      |
| Nominal input data                |                                      |
| Input voltage                     | 24 V DC $\pm$ 10%                    |
| Input current                     | 30 mA                                |
| Operating voltage (supply)        | 24 V DC $\pm$ 10%                    |
| Nominal output data               |                                      |
| Contact material                  | AgNi 90/10                           |
| Operating voltage                 | 250 V AC                             |
| Max. AC continuous current        | 6 A                                  |
| Minimum contact current           | 0.01 A                               |
| Minimum contact voltage           | 12 V                                 |
| Mechanical service life           | 3 x 10 <sup>7</sup> switching cycles |
| General data                      |                                      |
| Ambient temperature (operational) | 0...+55°C                            |
| Storage temperature               | -40...+70 °C                         |
| Approvals                         | CE; GOSTME25                         |
| Insulation coordination (EN50178) |                                      |
| Rated input insulation voltage    | < 50 V AC                            |
| Rated output insulation voltage   | < 250 V AC                           |
| Overvoltage category input/output | III                                  |
| Pollution severity level          | 2                                    |
| Pulse voltage test (1,2/50µs)     | 6 kV                                 |
| Insulation test voltage           | 4.4 kVAC                             |
| Clearance input/output            | $\geq$ 5.5 mm                        |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

### Ordering data

|                                 |
|---------------------------------|
| Screw connection without switch |
|---------------------------------|

| Note |
|------|
|------|

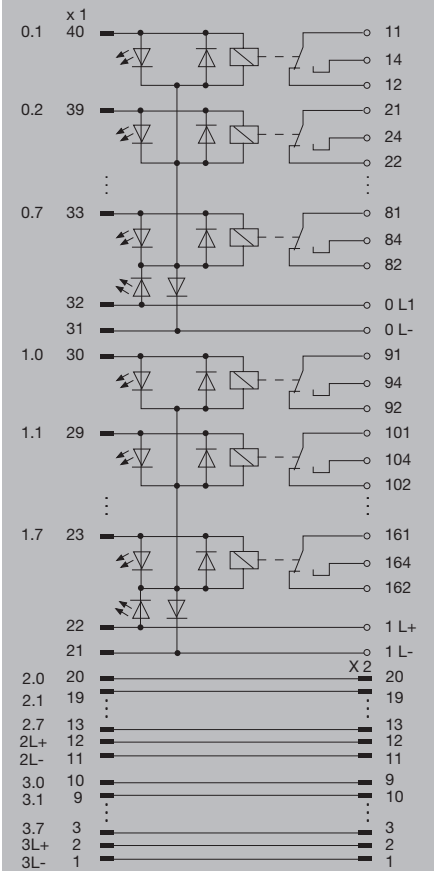
### Accessories

| Note |
|------|
|------|

|                                              |
|----------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |
| 40-pole plug                                 |
| RCL314024                                    |
| yellow                                       |
| green                                        |
| No                                           |
| No                                           |
|                                              |
| 24 V DC ± 10%                                |
| 30 mA                                        |
| 24 V DC ± 10%                                |
|                                              |
| AgNi 90/10                                   |
| 250 V AC                                     |
| 6 A                                          |
| 0.01 A                                       |
| 12 V                                         |
| 3 x 10 <sup>7</sup> switching cycles         |
|                                              |
| 0...+55°C                                    |
| -40...+70 °C                                 |
| CE; GOSTME25                                 |
|                                              |
| < 50 V AC                                    |
| < 250 V AC                                   |
| III                                          |
| 2                                            |
| 6 kV                                         |
| 4.4 kVAC                                     |
| ≥ 5.5 mm                                     |

| Type                  | Height | Order No.  |
|-----------------------|--------|------------|
| RS F40 16RS OUT 24VDC | 76 mm  | 8224181001 |

| Type                             | Height | Order No.  |
|----------------------------------|--------|------------|
| RS F40 16RS OUT 24VDC            | 76 mm  | 8224181001 |
| 8693260000 RCL314024 24 V DC 1CO |        |            |



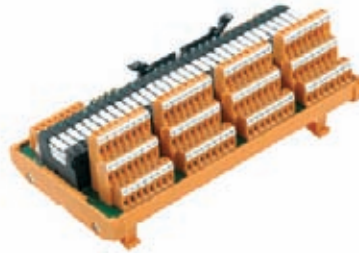
**RSM - Interfaces****for 32 isolated digital signals**

Relay digital output interface for transmitting electrical signals between the PLC and field via SIM cables or front adapters FAD.

- Input/output reinforced insulation (basic between contacts)
- Status indicator (LED)
- Screw or tension clamp connection

**RSM-32 PLC C 1CO**

6 mm relay with 1 CO contact and switch

**Technical data****Connection data and functionality**

Connection on control side  
Number of poles (control side)  
Relay type  
LED status display per relay  
LED status of the supply voltage  
Fuse per relay  
Power supply fuse

**Nominal input data**

Input voltage  
Input current  
Operating voltage (supply)  
Operating current (supply)

**Nominal output data**

Contact material  
Operating voltage  
Max. AC continuous current  
Minimum contact current  
Minimum contact voltage  
Mechanical service life

**General data**

Ambient temperature (operational)  
Storage temperature  
Approvals

**Insulation coordination (EN50178)**

Rated input insulation voltage  
Rated output insulation voltage  
Overvoltage category input/output  
Overvoltage category output/output  
Pollution severity level  
Pulse voltage test (1,2/50µs)  
Insulation test voltage  
Clearance input/output

**Dimensions**

Clamping range, min. / max. [Field]  
Clamping range, min. / max. [supply]  
Mounting rail  
Length x width

**Note**

Plug-in connector acc. IEC 603-1 / DIN 41651

40-pole plug

RSS

green

yellow

No

No

24 V DC  $\pm$  10%

13 mA

24 V DC  $\pm$  10%

2 A

AgNi 90/10

250 V AC

2.5 A

0.1 A

5 V

5 x 10<sup>6</sup> switching cycles

-25...+50°C

-40...+60 °C

CE

< 50 V AC

250 V AC

III

II

2

6 kV

1.2 kVAC

$\geq$  5.5 mm

**Screw connection**

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

TS 32, TS 35

215 mm / 109 mm

**Tension clamp connection**

0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>

0.13 mm<sup>2</sup> / 2.5 mm<sup>2</sup>

TS 32, TS 35

255 mm / 109 mm

**Ordering data**

Screw connection without switch

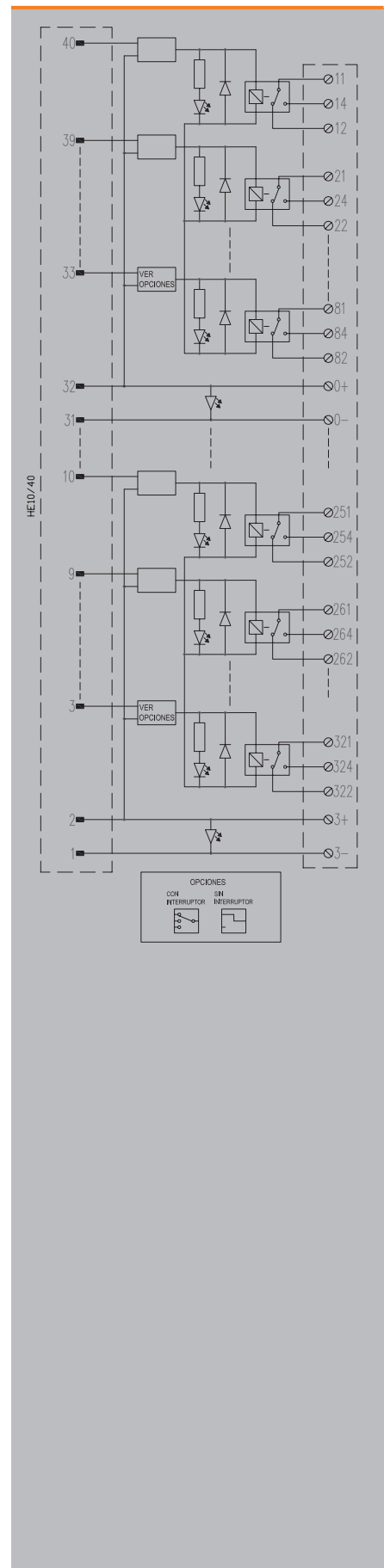
Screw connection with switch

Tension-clamp connection without switch

Tension-clamp connection with switch

**Note****Accessories****Note**

Relay 4060120000 RSS 24 V DC 1CO



# RSM - Isolated interfaces for digital signals

## RSM - Interfaces for 32 isolated digital signals

Relay digital output interface for transmitting electrical signals between the PLC and field via SIM cables or front adapters FAD.

- Input/output reinforced insulation (basic between contacts)
- Status indicator (LED)
- Screw or tension clamp connection



### Technical data

| Connection data and functionality   |  |
|-------------------------------------|--|
| Connection on control side          |  |
| Number of poles (control side)      |  |
| Relay type                          |  |
| LED status display per relay        |  |
| LED status of the supply voltage    |  |
| Fuse per relay                      |  |
| Power supply fuse                   |  |
| Nominal input data                  |  |
| Input voltage                       |  |
| Input current                       |  |
| Operating voltage (supply)          |  |
| Operating current (supply)          |  |
| Nominal output data                 |  |
| Contact material                    |  |
| Operating voltage                   |  |
| Max. AC continuous current          |  |
| Minimum contact current             |  |
| Minimum contact voltage             |  |
| Mechanical service life             |  |
| General data                        |  |
| Ambient temperature (operational)   |  |
| Storage temperature                 |  |
| Approvals                           |  |
| Insulation coordination (EN50178)   |  |
| Rated input insulation voltage      |  |
| Rated output insulation voltage     |  |
| Overvoltage category input/output   |  |
| Overvoltage category output/output  |  |
| Pollution severity level            |  |
| Pulse voltage test (1,2/50µs)       |  |
| Insulation test voltage             |  |
| Clearance input/output              |  |
| Dimensions                          |  |
| Clamping range, min. /max. [Field]  |  |
| Clamping range, min. /max. [supply] |  |
| Mounting rail                       |  |
| Length x width                      |  |
| Note                                |  |

### Ordering data

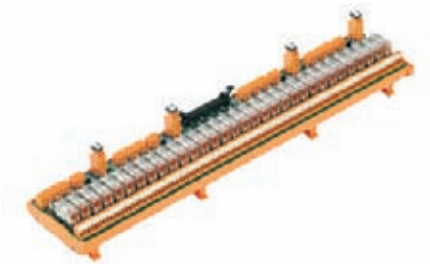
|      | Screw connection without switch         |
|------|-----------------------------------------|
|      | Screw connection with switch            |
|      | Tension-clamp connection without switch |
|      | Tension-clamp connection with switch    |
| Note |                                         |

### Accessories

| Note |
|------|
|------|

## RSM-32 PLC 1CO S

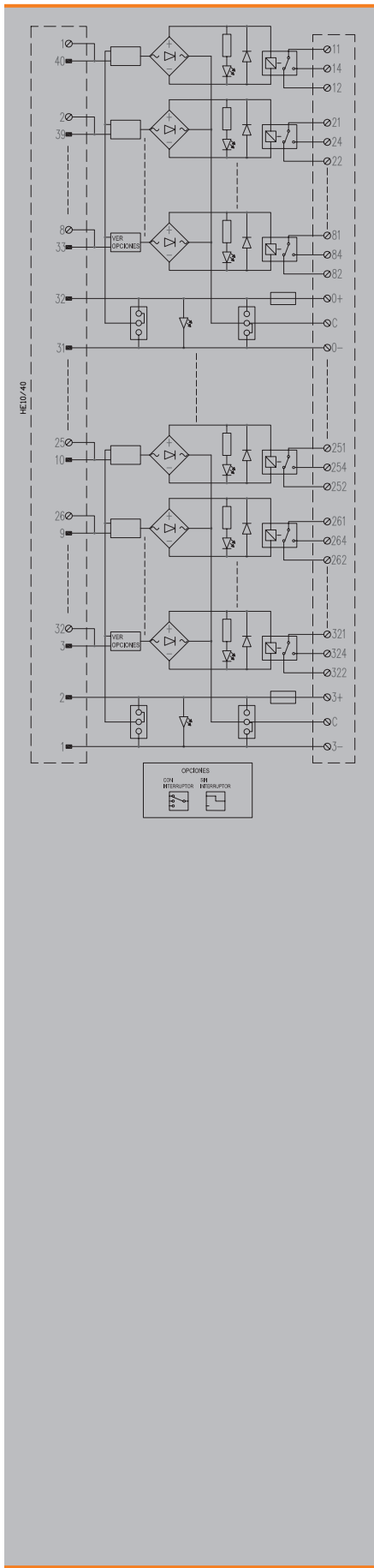
6 mm relay with 1 CO contact and switch



| Plug-in connector acc. IEC 603-1 / DIN 41651 |                                            |
|----------------------------------------------|--------------------------------------------|
| 40-pole plug                                 |                                            |
| RCL                                          |                                            |
| green                                        |                                            |
| yellow                                       |                                            |
| No                                           |                                            |
| 2.5 A                                        |                                            |
|                                              |                                            |
| 24 V UC ± 10%                                |                                            |
| 17 mA                                        |                                            |
| 24 V DC ± 10%                                |                                            |
| 2.5 A                                        |                                            |
|                                              |                                            |
| AgNi 90/10                                   |                                            |
| 250 V AC                                     |                                            |
| 6 A                                          |                                            |
| 0.01 A                                       |                                            |
| 12 V                                         |                                            |
| 3 x 10 <sup>7</sup> switching cycles         |                                            |
|                                              |                                            |
| -25...+50°C                                  |                                            |
| -40...+60 °C                                 |                                            |
| CE                                           |                                            |
|                                              |                                            |
| < 50 V AC                                    |                                            |
| 250 V AC                                     |                                            |
| III                                          |                                            |
| II                                           |                                            |
| 2                                            |                                            |
| 6 kV                                         |                                            |
| 2.5 kVAC                                     |                                            |
| ≥ 5.5 mm                                     |                                            |
|                                              |                                            |
| Screw connection                             | Tension clamp connection                   |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                                 | TS 32, TS 35                               |
| 497 mm / 109 mm                              | 497 mm / 109 mm                            |
|                                              |                                            |

| Type                | Height | Order No.  |
|---------------------|--------|------------|
| RSM-32 PLC 1CO S    | 68 mm  | 1129140000 |
| RSM-32 PLC SW 1CO S | 68 mm  | 1129170000 |
| RSM-32 PLC 1CO Z    | 68 mm  | 1129150000 |
| RSM-32 PLC SW 1CO Z | 68 mm  | 1129180000 |

|                                        |
|----------------------------------------|
| Relay 8693260000 RCL314024 24 V DC 1CO |
|----------------------------------------|





## MICRO-INTERFACE: Solutions for PLC with relays and optos from the MICROSERIES family

The MICRO-PLC adapter is used to connect the MICROSERIES family relays and opto modules to the PLC or other controllers using pre-assembled cables.

**B**

The adapter is formed using a 15 pole SUB-D connector or a 10 pole ribbon cable, and can be connected to a group of 8 MICROSERIES relays/opto modules, either with screw or tension clamp connection.

### MICRO-INTERFACE module for ribbon cable connection



### MICRO-INTERFACE module for SUB-D connection

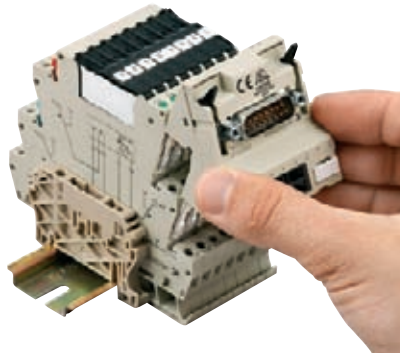


To help you to choose the right products for your application, Weidmüller offers selection tables in this catalogue that enable you to choose a set comprising pre-assembled cable + adapter + microrelay/optomodule, depending on the PLC card.

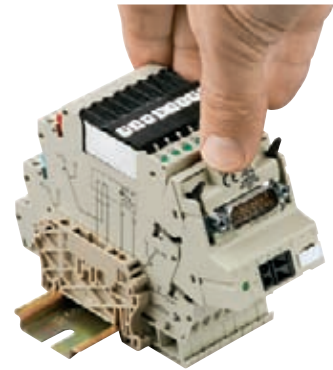
## Instructions for assembling the adapter



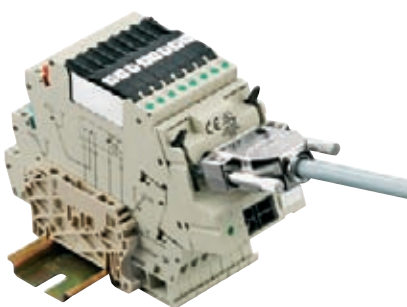
Assemble a block of 8 MICROSERIES on the rail and adjust the ends



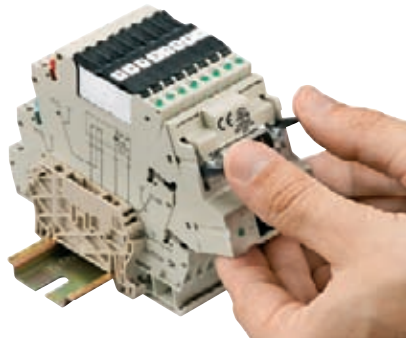
Insert the adapter onto the cross-connection rail and make sure that it is in the correct position



Press on the centre of the adapter from above



Connect the pre-assembled cable fitted with a HE-10 or SUB-D connector



To remove the cable, move the two retaining clips apart

# PLC GEFANUC – 90-30

|      | PLC                |                         | Cables     |          | Connection                                                                         |                                                                                    | MICROADAPTER    |          |      |                              |          |      |
|------|--------------------|-------------------------|------------|----------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|----------|------|------------------------------|----------|------|
|      | Input/Output cards |                         | Standard   |          |                                                                                    |                                                                                    | Adapter + relay |          |      |                              |          |      |
|      |                    |                         |            |          |                                                                                    |                                                                                    | Adapter         |          |      | Inputs or outputs with relay |          |      |
|      | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Screw                                                                              | Tension clamp                                                                      | Order No.       | Quantity | Page | Order No.                    | Quantity | Page |
| DI   | IC693MDL241        | 16 DI                   | 7789686xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | IC693MDL634        | 8 DI                    | 7789687xxx | 1        |   |   | 8773510000      | 1        | B.46 | 8596060000                   | 8        | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | IC693MDL646        | 16 DI                   | 7789686xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | IC693MDL654        | 32 DI                   | 7789688xxx | 2        |   |   | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | IC693MDL655        | 32 DI                   | 7789688xxx | 2        |   |   | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
| DO   | IC693MDL730        | 8 DO                    | 7789689xxx | 1        |   |   | 8773600000      | 1        | B.47 | 8533640000                   | 8        | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | IC693MDL732        | 8 DO                    | 7789692xxx | 1        |   |   | 8773600000      | 1        | B.47 | 8533640000                   | 8        | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | IC693MDL740        | 16 DO                   | 7789690xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | IC693MDL742        | 16 DO                   | 7789690xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | IC693MDL753        | 32 DO                   | 7789691xxx | 2        |  |  | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
| Note |                    |                         |            |          |                                                                                    |                                                                                    |                 |          |      |                              |          |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC GEFANUC – RX3i

|             | PLC                |                         | Cables     |                                                                                   | Connection                                                                          |                                                                                     | MICROADAPTER    |      |            |                              |      |      |
|-------------|--------------------|-------------------------|------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|------|------------|------------------------------|------|------|
|             | Input/Output cards |                         | Standard   |                                                                                   |                                                                                     |                                                                                     | Adapter + relay |      |            |                              |      |      |
|             | Manufacturer code  | Number/Type of channels | Order No.  | Quantity                                                                          |                                                                                     |                                                                                     | Adapter         |      |            | Inputs or outputs with relay |      |      |
| Screw       |                    |                         |            |                                                                                   | Tension clamp                                                                       | Order No.                                                                           | Quantity        | Page | Order No.  | Quantity                     | Page |      |
| DI          | IC694MDL241        | 16 DI                   | 7789686xxx | 1                                                                                 |    |    | 8773510000      | 2    | B.46       | 8596060000                   | 16   | B.51 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773530000                                                                          | 8596080000      |      |            |                              |      |      |
|             | IC694MDL634        | 8 DI                    | 7789687xxx | 1                                                                                 |    |    | 8773510000      | 1    | B.46       | 8596060000                   | 8    | B.51 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773530000                                                                          | 8596080000      |      |            |                              |      |      |
|             | IC693MDL645        | 16 DI                   | 7789686xxx | 1                                                                                 |    |    | 8773510000      | 2    | B.46       | 8596060000                   | 16   | B.51 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773530000                                                                          | 8596080000      |      |            |                              |      |      |
|             | IC693MDL646        | 16 DI                   | 7789686xxx | 1                                                                                 |    |    | 8773510000      | 2    | B.46       | 8596060000                   | 16   | B.51 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773530000                                                                          | 8596080000      |      |            |                              |      |      |
|             | IC693MDL654        | 32 DI                   | 7789688xxx | 2                                                                                 |    |    | 8773510000      | 4    | B.46       | 8596060000                   | 32   | B.51 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773530000                                                                          | 8596080000      |      |            |                              |      |      |
| IC693MDL655 | 32 DI              | 7789688xxx              | 2          |  |    | 8773510000                                                                          | 4               | B.46 | 8596060000 | 32                           | B.51 |      |
|             |                    |                         |            |                                                                                   | 8773530000                                                                          | 8596080000                                                                          |                 |      |            |                              |      |      |
| IC693MDL660 | 32 DI              | 7789693xxx              | 1          |  |    | 8773510000                                                                          | 4               | B.46 | 8596060000 | 32                           | B.51 |      |
|             |                    |                         |            |                                                                                   | 8773530000                                                                          | 8596080000                                                                          |                 |      |            |                              |      |      |
| DO          | IC693MDL732        | 8 DO                    | 7789692xxx | 1                                                                                 |    |    | 8773600000      | 1    | B.47       | 8533640000                   | 8    | B.49 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773620000                                                                          | 8533660000      |      |            |                              |      |      |
|             | IC693MDL740        | 16 DO                   | 7789690xxx | 1                                                                                 |    |    | 8773600000      | 2    | B.47       | 8533640000                   | 16   | B.49 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773620000                                                                          | 8533660000      |      |            |                              |      |      |
|             | IC693MDL742        | 16 DO                   | 7789690xxx | 1                                                                                 |   |   | 8773600000      | 2    | B.47       | 8533640000                   | 16   | B.49 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773620000                                                                          | 8533660000      |      |            |                              |      |      |
|             | IC693MDL753        | 32 DO                   | 7789691xxx | 2                                                                                 |  |  | 8773600000      | 4    | B.47       | 8533640000                   | 32   | B.49 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773620000                                                                          | 8533660000      |      |            |                              |      |      |
|             | IC693MDL754        | 32 DO                   | 7789694xxx | 1                                                                                 |  |  | 8773600000      | 4    | B.47       | 8533640000                   | 32   | B.49 |
|             |                    |                         |            |                                                                                   |                                                                                     | 8773620000                                                                          | 8533660000      |      |            |                              |      |      |
| Note        |                    |                         |            |                                                                                   |                                                                                     |                                                                                     |                 |      |            |                              |      |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC OMRON – CJ1W

|      | PLC                |                         | Cables     |          | Connection                                                                        |                                                                                   | MICROADAPTER    |          |      |                              |          |      |
|------|--------------------|-------------------------|------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|----------|------|------------------------------|----------|------|
|      | Input/Output cards |                         | Standard   |          |                                                                                   |                                                                                   | Adapter + relay |          |      |                              |          |      |
|      |                    |                         |            |          |                                                                                   |                                                                                   | Adapter         |          |      | Inputs or outputs with relay |          |      |
|      | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Screw                                                                             | Tension clamp                                                                     | Order No.       | Quantity | Page | Order No.                    | Quantity | Page |
| DI   | ID231              | 32 DI                   | 7789758xxx | 1        |  |  | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773530000      |          |      | 8596080000                   |          |      |
|      | ID232              | 32 DI                   | 7789749xxx | 1        |  |  | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773530000      |          |      | 8596080000                   |          |      |
|      | ID233              | 32 DI                   | 7789758xxx | 1        |  |  | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773530000      |          |      | 8596080000                   |          |      |
|      | ID261              | 64 DI                   | 7789758xxx | 2        |  |  | 8773510000      | 8        | B.46 | 8596060000                   | 64       | B.51 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773530000      |          |      | 8596080000                   |          |      |
|      | ID262              | 64 DI                   | 7789749xxx | 2        |  |  | 8773510000      | 8        | B.46 | 8596060000                   | 64       | B.51 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773530000      |          |      | 8596080000                   |          |      |
| DI   | OD232              | 32 DO                   | 7789755xxx | 1        |  |  | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773620000      |          |      | 8533660000                   |          |      |
|      | OD262              | 32 DO                   | 7789755xxx | 2        |  |  | 8773600000      | 8        | B.47 | 8533640000                   | 64       | B.49 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773620000      |          |      | 8533660000                   |          |      |
| Note |                    |                         |            |          |                                                                                   |                                                                                   |                 |          |      |                              |          |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC ROCKWELL – COMPACT LOGIX

|      | PLC                |                         | Cables     |          | Connection                                                                         |                                                                                    | MICROADAPTER    |          |      |                              |          |      |
|------|--------------------|-------------------------|------------|----------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|----------|------|------------------------------|----------|------|
|      | Input/Output cards |                         | Standard   |          |                                                                                    |                                                                                    | Adapter + relay |          |      |                              |          |      |
|      |                    |                         |            |          |                                                                                    |                                                                                    | Adapter         |          |      | Inputs or outputs with relay |          |      |
|      | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Screw                                                                              | Tension clamp                                                                      | Order No.       | Quantity | Page | Order No.                    | Quantity | Page |
| DI   | 1769-IQ16          | 16 DI                   | 1340040xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | 1769-IQ16F         | 16 DI                   | 1340040xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | 1769-IQ32          | 32 DI                   | 1340040xxx | 1        |   |   | 8773510000      | 4        | B.46 | 8596060000                   | 16       | B.51 |
|      |                    |                         | 1340050xxx | 1        |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
|      | 1769-IQ32T         | 32 DI                   | 1340060xxx | 1        |   |   | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000                   |          |      |
| DO   | 1769-OB8           | 8 DO                    | 1340070xxx | 1        |   |   | 8773600000      | 1        | B.47 | 8533640000                   | 8        | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | 1769-OB16          | 16 DO                   | 1340080xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | 1769-OB16P         | 16 DO                   | 1340080xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | 1769-OB32          | 32 DO                   | 1340080xxx | 1        |   |   | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|      |                    |                         | 1340090xxx | 1        |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
|      | 1769-OB32T         | 32 DO                   | 7789799xxx | 1        |  |  | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000                   |          |      |
| Note |                    |                         |            |          |                                                                                    |                                                                                    |                 |          |      |                              |          |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC ROCKWELL – CONTROL LOGIX

|      | PLC                |                         | Cables     |          | Connection                                                                         |                                                                                    | MICROADAPTER    |          |      |            |          |      |
|------|--------------------|-------------------------|------------|----------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|----------|------|------------|----------|------|
|      | Input/Output cards |                         | Standard   |          |                                                                                    |                                                                                    | Adapter + relay |          |      |            |          |      |
|      | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Screw                                                                              | Tension clamp                                                                      | Order No.       | Quantity | Page | Order No.  | Quantity | Page |
| DI   | 1756-IB16          | 16 DI                   | 7789783xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000 | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000 |          |      |
|      | 1756-IB16D         | 16 DI                   | 7789782xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000 | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000 |          |      |
|      | 1756-IB16I         | 16 DI                   | 7789782xxx | 1        |   |   | 8773510000      | 2        | B.46 | 8596060000 | 16       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000 |          |      |
|      | 1756-IB32          | 32 DI                   | 7789784xxx | 1        |   |   | 8773510000      | 4        | B.46 | 8596060000 | 32       | B.51 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773530000      |          |      | 8596080000 |          |      |
| DO   | 1756-OB16D         | 16 DO                   | 7789785xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000 | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000 |          |      |
|      | 1756-OB16E         | 16 DO                   | 7789786xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000 | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000 |          |      |
|      | 1756-OB16I         | 16 DO                   | 7789787xxx | 1        |   |   | 8773600000      | 2        | B.47 | 8533640000 | 16       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000 |          |      |
|      | 1756-OB32          | 32 DO                   | 7789766xxx | 1        |   |   | 8773600000      | 4        | B.47 | 8533640000 | 32       | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000 |          |      |
|      | 1756-OB8           | 8 DO                    | 7789788xxx | 1        |   |   | 8773600000      | 1        | B.47 | 8533640000 | 8        | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000 |          |      |
|      | 1756-OB8EI         | 8 DO                    | 7789789xxx | 1        |  |  | 8773600000      | 1        | B.47 | 8533640000 | 8        | B.49 |
|      |                    |                         |            |          |                                                                                    |                                                                                    | 8773620000      |          |      | 8533660000 |          |      |
| Note |                    |                         |            |          |                                                                                    |                                                                                    |                 |          |      |            |          |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC SCHNEIDER – M340

|       | PLC                |                         | Cables     |          | Connection                                                                          |                                                                                     | MICROADAPTER    |          |      |                              |          |      |
|-------|--------------------|-------------------------|------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|----------|------|------------------------------|----------|------|
|       | Input/Output cards |                         | Standard   |          |                                                                                     |                                                                                     | Adapter + relay |          |      |                              |          |      |
|       |                    |                         |            |          |                                                                                     |                                                                                     | Adapter         |          |      | Inputs or outputs with relay |          |      |
|       | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Screw                                                                               | Tension clamp                                                                       | Order No.       | Quantity | Page | Order No.                    | Quantity | Page |
| DI    | BMX DDI 1602       | 16 DI                   | 7789736xxx | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|       |                    |                         |            |          |    |    | 8773530000      |          |      | 8596080000                   |          |      |
|       | BMX DDI 3202K      | 32 DI                   | 7789735xxx | 1        |    |    | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|       |                    |                         |            |          |    |    | 8773530000      |          |      | 8596080000                   |          |      |
|       | BMX DDI 6402K      | 64 DI                   | 7789735xxx | 2        |    |    | 8773510000      | 8        | B.46 | 8596060000                   | 64       | B.51 |
|       |                    |                         |            |          |    |    | 8773530000      |          |      | 8596080000                   |          |      |
| DO    | BMX DDO 1602       | 16 DO                   | 7789736xxx | 1        |    |    | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|       |                    |                         |            |          |    |    | 8773620000      |          |      | 8533660000                   |          |      |
|       | BMX DDO 3202K      | 32 DO                   | 7789735xxx | 1        |    |    | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|       |                    |                         |            |          |   |   | 8773620000      |          |      | 8533660000                   |          |      |
|       | BMX DDO 6402K      | 64 DO                   | 7789735xxx | 2        |  |  | 8773600000      | 8        | B.47 | 8533640000                   | 64       | B.49 |
|       |                    |                         |            |          |  |  | 8773620000      |          |      | 8533660000                   |          |      |
| DI/DO | BMX DDM 16022      | 8 DI                    | 7789737xxx | 1        |  |  | 8773510000      | 1        | B.46 | 8596060000                   | 8        | B.51 |
|       |                    | 8 DO                    |            |          |  |  | 8773530000      |          |      | 8596080000                   |          |      |
|       | BMX DDM 3202K      | 16 DI                   | 7789735xxx | 1        |  |  | 8773600000      | 1        | B.47 | 8533640000                   | 8        | B.49 |
|       |                    |                         |            |          |  |  | 8773620000      |          |      | 8533660000                   |          |      |
|       |                    | 16 DO                   | 7789735xxx | 1        |  |  | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|       |                    |                         |            |          |  |  | 8773530000      |          |      | 8596080000                   |          |      |
| Note  |                    |                         |            |          |                                                                                     |                                                                                     |                 |          |      |                              |          |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC SCHNEIDER – PREMIUM / MICRO

|       | PLC                |                         | Cables                                                                            |            | Connection                                                                        |                                                                                   | MICROADAPTER                                                                      |            |      |                              |            |      |      |
|-------|--------------------|-------------------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|------|------------------------------|------------|------|------|
|       | Input/Output cards |                         | Standard                                                                          |            |                                                                                   |                                                                                   | Adapter + relay                                                                   |            |      |                              |            |      |      |
|       |                    |                         |                                                                                   |            |                                                                                   |                                                                                   | Adapter                                                                           |            |      | Inputs or outputs with relay |            |      |      |
|       | Manufacturer code  | Number/Type of channels | Order No.                                                                         | Quantity   | Screw                                                                             | Tension clamp                                                                     | Order No.                                                                         | Quantity   | Page | Order No.                    | Quantity   | Page |      |
| DI    | TSX DEY 16FK       | 16 DI                   | 7789303xxx                                                                        | 1          |  |  | 8773510000                                                                        | 2          | B.46 | 8596060000                   | 16         | B.51 |      |
|       |                    |                         |                                                                                   |            |  |  | 8773530000                                                                        |            |      | 8596080000                   |            |      |      |
|       | TSX DEY 32D2K      | 32 DI                   | 7789303xxx                                                                        | 2          |  |  | 8773510000                                                                        | 4          | B.46 | 8596060000                   | 32         | B.51 |      |
|       |                    |                         |                                                                                   |            |  |  | 8773530000                                                                        |            |      | 8596080000                   |            |      |      |
|       | TSX DEY 64D2K      | 64 DI                   | 7789303xxx                                                                        | 4          |  |  | 8773510000                                                                        | 8          | B.46 | 8596060000                   | 64         | B.51 |      |
|       |                    |                         |                                                                                   |            |  |  | 8773530000                                                                        |            |      | 8596080000                   |            |      |      |
| DO    | TSX DSY 32T2K      | 32 DO                   | 7789303xxx                                                                        | 2          |  |  | 8773600000                                                                        | 4          | B.47 | 8533640000                   | 32         | B.49 |      |
|       |                    |                         |                                                                                   |            |  |  | 8773620000                                                                        |            |      | 8533660000                   |            |      |      |
|       | TSX DSY 64T2K      | 64 DO                   | 7789303xxx                                                                        | 4          |  |  | 8773600000                                                                        | 8          | B.47 | 8533640000                   | 64         | B.49 |      |
|       |                    |                         |                                                                                   |            |  |  | 8773620000                                                                        |            |      | 8533660000                   |            |      |      |
|       | DI/DO              | TSX DMZ 64DTK           | 32 DI                                                                             | 7789303xxx | 4                                                                                 |  |  | 8773510000 | 4    | B.49                         | 8596060000 | 32   | B.51 |
|       |                    |                         |  |            |                                                                                   |  | 8773530000                                                                        | 8596080000 |      |                              |            |      |      |
| 32 DO |                    |                         |  |            |                                                                                   |  | 8773600000                                                                        | 4          | B.47 | 8533640000                   | 32         | B.49 |      |
|       |                    |                         |  |            |                                                                                   |  | 8773620000                                                                        |            |      | 8533660000                   |            |      |      |
| Note  |                    |                         |                                                                                   |            |                                                                                   |                                                                                   |                                                                                   |            |      |                              |            |      |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC Siemens S7-300 / ET-200M

|    | PLC<br>Input/Output cards |                            | Cables<br>Standard |          | Connection                                                                          |                                                                                     | MICROADAPTER    |          |      |                              |          |      |
|----|---------------------------|----------------------------|--------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|----------|------|------------------------------|----------|------|
|    | Manufacturer code         | Number/Type<br>of channels | Order No.          | Quantity | Screw                                                                               | Tension<br>clamp                                                                    | Adapter + relay |          |      |                              |          |      |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | Adapter         |          |      | Inputs or outputs with relay |          |      |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | Order No.       | Quantity | Page | Order No.                    | Quantity | Page |
| DI | 6ES7321-1BH00-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BH01-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BH02-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BH50-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BH80-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
| DO | 6ES7321-1BH81-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BH82-0AA0        | 16 DI                      | 7789235xxx         | 1        |    |    | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BL00-0AA0        | 32 DI                      | 7789861xxx         | 1        |    |    | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-1BL80-0AA0        | 32 DI                      | 7789861xxx         | 1        |   |   | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
|    | 6ES7321-7RD00-0AB0        | 16 DI                      | 7789235xxx         | 1        |  |  | 8773510000      | 2        | B.46 | 8596060000                   | 16       | B.51 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773530000      |          |      | 8596080000                   |          |      |
| DO | 6ES7322-1BH00-0AA0        | 16 DO                      | 7789235xxx         | 1        |  |  | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773620000      |          |      | 8533660000                   |          |      |
|    | 6ES7322-1BH01-0AA0        | 16 DO                      | 7789235xxx         | 1        |  |  | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773620000      |          |      | 8533660000                   |          |      |
| DO | 6ES7322-1BH81-0AA0        | 16 DO                      | 7789235xxx         | 1        |  |  | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773620000      |          |      | 8533660000                   |          |      |
|    | 6ES7322-1BH82-0AA0        | 16 DO                      | 7789235xxx         | 1        |  |  | 8773600000      | 2        | B.47 | 8533640000                   | 16       | B.49 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773620000      |          |      | 8533660000                   |          |      |
| DO | 6ES7322-1BL00-0AA0        | 32 DO                      | 7789861xxx         | 1        |  |  | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|    |                           |                            |                    |          |                                                                                     |                                                                                     | 8773620000      |          |      | 8533660000                   |          |      |

Note

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.

# PLC SIEMENS – S7400

|      | PLC                |                         | Cables     |          | Connection                                                                        |                                                                                   | MICROADAPTER    |          |      |                              |          |      |
|------|--------------------|-------------------------|------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|----------|------|------------------------------|----------|------|
|      | Input/Output cards |                         | Standard   |          |                                                                                   |                                                                                   | Adapter + relay |          |      |                              |          |      |
|      |                    |                         |            |          |                                                                                   |                                                                                   | Adapter         |          |      | Inputs or outputs with relay |          |      |
|      | Manufacturer code  | Number/Type of channels | Order No.  | Quantity | Screw                                                                             | Tension clamp                                                                     | Order No.       | Quantity | Page | Order No.                    | Quantity | Page |
| DI   | 6ES7421-1BL00-0AA0 | 32 DI                   | 833591xxxx | 1        |  |  | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                   | 8773530000                                                                        | 8596080000      |          |      |                              |          |      |
|      | 6ES7421-1BL01-0AA0 | 32 DI                   | 833591xxxx | 1        |  |  | 8773510000      | 4        | B.46 | 8596060000                   | 32       | B.51 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773530000      |          |      | 8596080000                   |          |      |
| DO   | 6ES7422-1BL00-0AA0 | 32 DO                   | 833591xxxx | 1        |  |  | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773620000      |          |      | 8533660000                   |          |      |
|      | 6ES7422-7BL00-0AB0 | 32 DO                   | 833591xxxx | 1        |  |  | 8773600000      | 4        | B.47 | 8533640000                   | 32       | B.49 |
|      |                    |                         |            |          |                                                                                   |                                                                                   | 8773620000      |          |      | 8533660000                   |          |      |
| Note |                    |                         |            |          |                                                                                   |                                                                                   |                 |          |      |                              |          |      |

- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the digital input cards. These relays can be replaced by MICROSERIES relays with other voltages, from 5 V DC to 230 V AC.



MICRO-INTERFACE digital

Adaptor and solution  
for MICROSERIES relays and optocouplers

Adapter for relays and opto modules MICROSERIES with screw or tension-clamp connection.

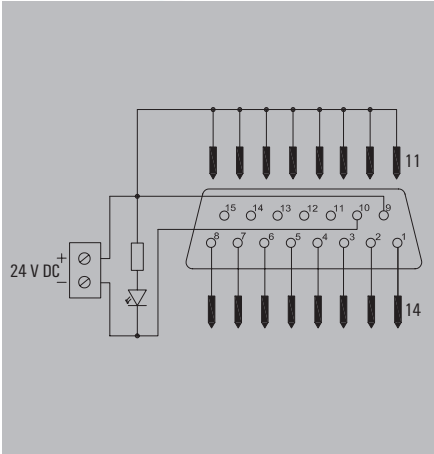
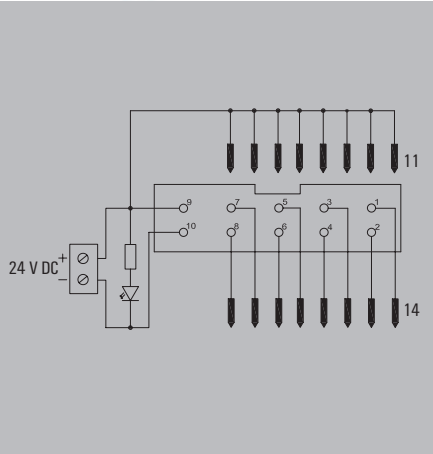
MI8DI-S F10

Input adapter with 10-pole female header



MI8DI-S SUB D15

Input adapter with 25-pole SUB-D connector



Technical data

| Connection data                   |
|-----------------------------------|
| Connection on control side        |
| Number of poles (control side)    |
| Nominal input data                |
| Operating voltage                 |
| Max. current per channel          |
| Operating voltage (supply)        |
| Nominal output data               |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Insulation test voltage           |

|                                              |
|----------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |
| 10-pole plug                                 |
| 30 V UC                                      |
| 0.5 A                                        |
| 24 V DC $\pm$ 10%                            |
| 0...+55°C                                    |
| -20...+85 °C                                 |
| CE; cULus; GOSTME25                          |
| < 50 V AC                                    |
| III                                          |
| 2                                            |
| 0.35 kVAC                                    |

|                                       |
|---------------------------------------|
| IEC 60603/DIN41612 plug-in connectors |
| 25-pole plug                          |
| 30 V UC                               |
| 0.5 A                                 |
| 24 V DC $\pm$ 10%                     |
| 0...+55°C                             |
| -20...+85 °C                          |
| CE; cULus; GOSTME25                   |
| < 50 V AC                             |
| III                                   |
| 2                                     |
| 0.35 kVAC                             |

| Dimensions                           |
|--------------------------------------|
| Clamping range, min. / max. [supply] |
| Length x width                       |

| Screw connection                           | Tension clamp connection                   |
|--------------------------------------------|--------------------------------------------|
| 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> | 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> |
| 48 mm / 59 mm                              | 48 mm / 59 mm                              |

| Screw connection                           | Tension clamp connection                   |
|--------------------------------------------|--------------------------------------------|
| 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> | 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> |
| 48 mm / 59 mm                              | 48 mm / 59 mm                              |

| Note |
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| Note |
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| Note |
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Ordering data

|                          |
|--------------------------|
| Screw connection         |
| Tension clamp connection |

| Type          | Height | Order No.  |
|---------------|--------|------------|
| MI8DI-S F10 S | 53 mm  | 8773510000 |
| MI8DI-Z F10 S | 53 mm  | 8773530000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| MI8DI-S SUB D15S | 53 mm  | 8773460000 |
| MI8DI-Z SUB D15S | 53 mm  | 8773490000 |

| Note |
|------|
|------|

|                                    |
|------------------------------------|
| MI8DI-S = screw connection         |
| MI8DI-Z = tension clamp connection |

|                                    |
|------------------------------------|
| MI8DI-S = screw connection         |
| MI8DI-Z = tension clamp connection |

Accessories

| Note |
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| Note |
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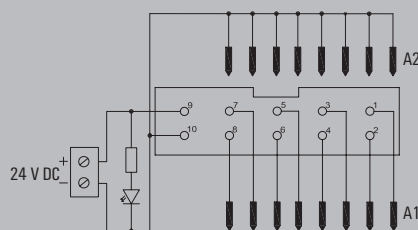
| Note |
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## Adaptor and solution for MICROSERIES relays and optocouplers

Adapter for relays and opto modules MICROSERIES with screw or tension-clamp connection.

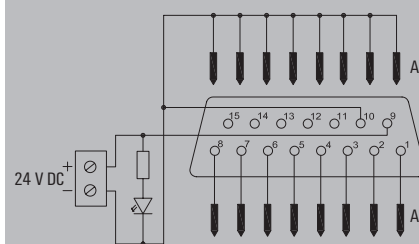
### MI8DO-S F10

Output adapter with 25-pole SUB-D connector



### MI8DO-S SUB D15

Output adapter, 10-pole female header



## Technical data

| Connection data                   |
|-----------------------------------|
| Connection on control side        |
| Number of poles (control side)    |
| Nominal input data                |
| Operating voltage                 |
| Max. current per channel          |
| Operating voltage (supply)        |
| Nominal output data               |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Insulation test voltage           |

|                                              |
|----------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |
| 10-pole plug                                 |
| 30 V UC                                      |
| 0.5 A                                        |
| 24 V DC $\pm$ 10%                            |
| 0...+55°C                                    |
| -20...+85 °C                                 |
| CE; cULus; GOSTME25                          |
| < 50 V AC                                    |
| III                                          |
| 2                                            |
| 0.35 kVAC                                    |

|                                       |
|---------------------------------------|
| IEC 60603/DIN41612 plug-in connectors |
| 25-pole plug                          |
| 30 V UC                               |
| 0.5 A                                 |
| 24 V DC $\pm$ 10%                     |
| 0...+55°C                             |
| -20...+85 °C                          |
| CE; cULus; GOSTME25                   |
| < 50 V AC                             |
| III                                   |
| 2                                     |
| 0.35 kVAC                             |

| Dimensions                           |
|--------------------------------------|
| Clamping range, min. / max. [supply] |
| Length x width                       |

| Screw connection                           | Tension clamp connection                   |
|--------------------------------------------|--------------------------------------------|
| 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> | 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> |
| 48 mm / 59 mm                              | 48 mm / 59 mm                              |

| Screw connection                           | Tension clamp connection                   |
|--------------------------------------------|--------------------------------------------|
| 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> | 2.5 mm <sup>2</sup> / 0.13 mm <sup>2</sup> |
| 48 mm / 59 mm                              | 48 mm / 59 mm                              |

| Note |
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| Note |
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## Ordering data

|                          |
|--------------------------|
| Screw connection         |
| Tension clamp connection |

| Type          | Height | Order No.  |
|---------------|--------|------------|
| MI8DO-S F10 S | 53 mm  | 8773600000 |
| MI8DO-Z F10 S | 53 mm  | 8773620000 |

| Type             | Height | Order No.  |
|------------------|--------|------------|
| MI8DO-S SUB D15S | 53 mm  | 8773550000 |
| MI8DO-Z SUB D15S | 53 mm  | 8773570000 |

| Note |
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|                                    |
|------------------------------------|
| MI8DO-S = screw connection         |
| MI8DO-Z = tension clamp connection |

|                                    |
|------------------------------------|
| MI8DO-S = screw connection         |
| MI8DO-Z = tension clamp connection |

## Accessories

| Note |
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| Note |
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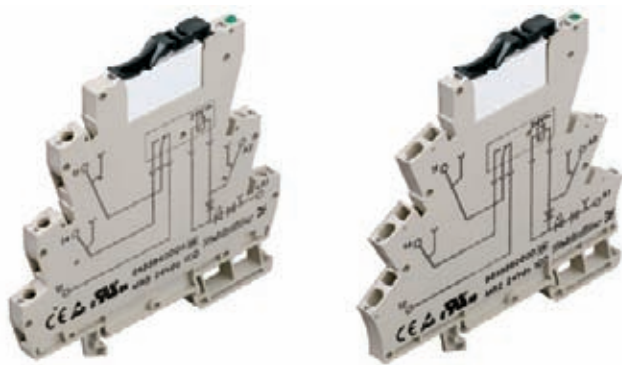
| Note |
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MICROSERIES - Relay Couplers

1 CO contact  
AC / DC / UC coil

This module may be used as a universal interface between the control and actuator for connecting small and medium loads.

- Interchangeable relay modules, can also be exchanged with an opto module
- 6.1 mm wide
- The plug-in cross-connection at the input and output minimises the wiring task

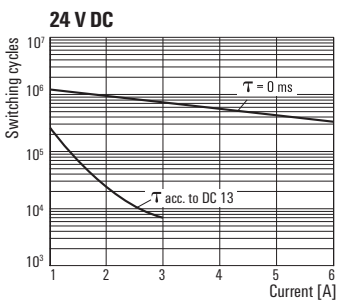
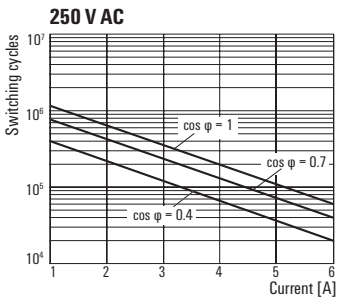
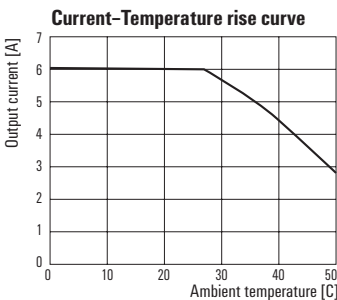
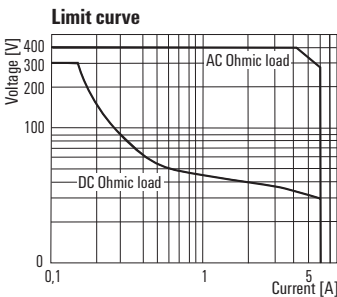


Technical data

| Output                                                        |                                            |
|---------------------------------------------------------------|--------------------------------------------|
| Max. switching voltage, AC / Continuous current               | 250 V / 6 A                                |
| Min. switching power                                          | 12 V / 10 mA                               |
| Switch-on delay / Switch-off delay                            | 6.2 ms / 3.9 ms                            |
| Contact material                                              | AgSnO                                      |
| Mechanical service life                                       | 20 x 10 <sup>6</sup> switching cycles      |
| Max. switching frequency at rated load                        | 0.1 Hz                                     |
| Rated data                                                    |                                            |
| Status indicator / Free-wheel diode                           | Green LED / Yes                            |
| Reverse polarity protection                                   | Available                                  |
| Ambient temperature (operational)                             | -25 °C...+55 °C                            |
| Storage temperature                                           | -40 °C...+60 °C                            |
| Humidity                                                      | 40 °C / 93% rel. humidity, no condensation |
| Insulation coordination (EN 50 178)                           |                                            |
| Standards                                                     | DIN EN 50178                               |
| Rated voltage                                                 | 300 V                                      |
| Impulse withstand voltage                                     | 4 kV (1.2/50 µs)                           |
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm                                   |
| Surge voltage category                                        |                                            |
| Pollution severity level                                      |                                            |
| Protective separation acc. to VDE 0106 part 101               |                                            |

| Dimensions                             | Screw connection                                                 | Tension clamp connection |
|----------------------------------------|------------------------------------------------------------------|--------------------------|
| Clamping range (nominal / min. / max.) | mm <sup>2</sup> 2.5 / 0.5 / 4                                    | 1.5 / 0.5 / 2.5          |
| Length x width x height                | mm 93 / 6.1 / 92                                                 | 94 / 6.1 / 91            |
| Note                                   | Cross-connections and markers - refer to MICROSERIES accessories |                          |

Applications



1 CO contact  
AC / DC / UC coil

| Ordering data             |           | 5 V DC 1CO            | 12 V DC 1CO           | 24 V DC 1CO           | 24 V UC 1CO           |
|---------------------------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|
| Input                     |           |                       |                       |                       |                       |
| Rated control voltage     |           | 5 V DC ±20 %          | 12 V DC ±20 %         | 24 V DC ±20 %         | 24 V UC ±10 %         |
| Rated current AC          |           |                       |                       |                       | 11 mA                 |
| Rated current DC          |           | 38.5 mA               | 17 mA                 | 6.6 mA                | 6.4 mA                |
| Power rating              |           | 193 mW                | 210 mW                | 160 mW                | 270 mVA / 154 mW      |
| AC Response/dropout Volt  |           |                       |                       |                       |                       |
| DC Response/dropout Volt  |           | 3.2 V / 1.6 V         | 6.4 V / 2.5 V         | 15.4 V / 6.5 V        | 15.8 V / 7 V          |
| AC pickup/dropout current |           |                       |                       |                       |                       |
| DC pickup/dropout current |           | 21,6 mA / 8 mA        | 8.4mA/2.4mA           | 4mA/1.2mA             | 3.6mA/1.3mA           |
| Approvals                 |           | CE; CSA; cULus; cURus | CE; CSA; cULus; cURus | CE; CSA; cULus; cURus | CE; CSA; cULus; cURus |
| Ordering data             |           |                       |                       |                       |                       |
| Relay with socket         |           |                       |                       |                       |                       |
| Screw connection          | Type      | MRS 5VDC 1CO          | MRS 12VDC 1CO         | MRS 24VDC 1CO         | MRS 24VUC 1CO         |
|                           | Order No. | 8556080000            | 8556070000            | 8533640000            | 8556050000            |
| Tension clamp connection  | Type      | MRZ 5VDC 1CO          | MRZ 12VDC 1CO         | MRZ 24VDC 1CO         | MRZ 24VUC 1CO         |
|                           | Order No. | 8556150000            | 8556140000            | 8533660000            | 8556120000            |
| Ordering data             |           |                       |                       |                       |                       |
| Spare relay (pluggable)   |           |                       |                       |                       |                       |
|                           | Type      | RSS113005 05VDC-REL1U | RSS113012 12VDC-REL1U | RSS113024 24VDC-REL1U | RSS113024 24VDC-REL1U |
|                           | Order No. | 4061580000            | 4061610000            | 4060120000            | 4060120000            |
| Note                      |           |                       |                       |                       |                       |

| Ordering data             |           | 48 V UC 4CO           | 60 V DC 1CO           | 120 V UC 1CO           | 230 V AC 1CO          |
|---------------------------|-----------|-----------------------|-----------------------|------------------------|-----------------------|
| Input                     |           |                       |                       |                        |                       |
| Rated control voltage     |           | 48 V UC ±10 %         | 60 V DC ±20 %         | 120 V UC +10 % / -15 % | 230 V AC ±10 %        |
| Rated current AC          |           | 5 mA                  |                       | 3.5 mA ±15 %           | 7.6 mA                |
| Rated current DC          |           | 4 mA                  | 3,3 mA                | 3.5 mA ±15 %           |                       |
| Power rating              |           | 190 mW                | 200 mW                | 0.42 VA, 360 mW        | 1.75 VA, 210 mW       |
| AC Response/dropout Volt  |           |                       |                       | 60 V / 37 V            | 103 V / 49 V          |
| DC Response/dropout Volt  |           | 29 V / 11 V           | 35 V / 11 V           | 60 V / 21 V            |                       |
| AC pickup/dropout current |           |                       |                       | 1.8 mA / 1.1 mA        | 5 mA / 2.5mA          |
| DC pickup/dropout current |           | 2,2 mA / 1,3 mA       | 1,6 mA / 0,6 mA       | 1,8 mA / 0,5 mA        |                       |
| Approvals                 |           | CE; CSA; cULus; cURus | CE; CSA; cULus; cURus | CE; CSA; cULus; cURus  | CE; CSA; cULus; cURus |
| Ordering data             |           |                       |                       |                        |                       |
| Relay with socket         |           |                       |                       |                        |                       |
| Screw connection          | Type      | MRS 48VUC 1CO         | MRS 60VDC 1CO         | MRS 120VUC 1CO         | MRS 230VAC 1CO        |
|                           | Order No. | 8556040000            | 8556060000            | 8556030000             | 8556020000            |
| Tension clamp connection  | Type      | MRZ 48VUC 1CO         | MRZ 60VDC 1CO         | MRZ 120VUC 1CO         | MRZ 230VAC 1CO        |
|                           | Order No. | 8556110000            | 8556130000            | 8556100000             | 8556090000            |
| Ordering data             |           |                       |                       |                        |                       |
| Spare relay (pluggable)   |           |                       |                       |                        |                       |
|                           | Type      | RSS113048 48VDC-Rel1U | RSS113060 60VDC-REL1U | RSS113060 60VDC-REL1U  | RSS113024 24VDC-REL1U |
|                           | Order No. | 4061620000            | 4061630000            | 4061630000             | 4060120000            |
| Note                      |           |                       |                       |                        |                       |

MICROSERIES - Relay Couplers

1 CNA

Special Variants

Variant of the 24 V DC actuator model:

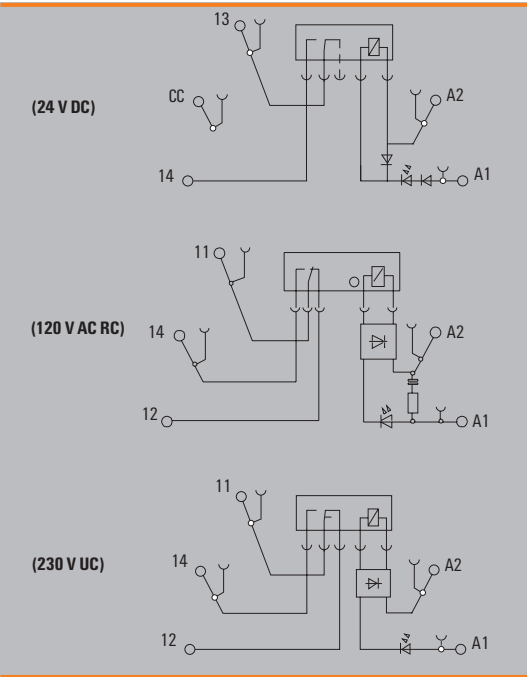
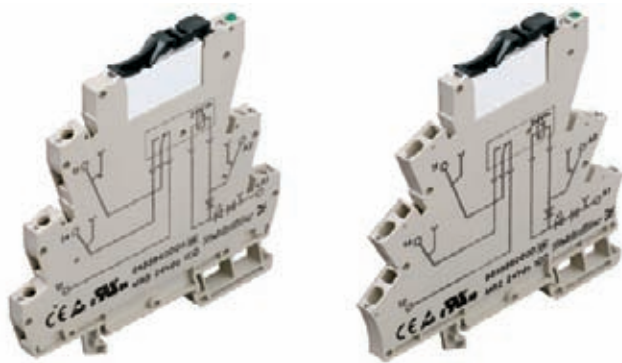
- Potential free connection for direct connection of actuators at the output using bridging

Variant of the 120 V AC-RC model:

- The RC device of the input guarantees safe connection thresholds, e.g. with leak currents at the control side

230 V UC variant:

- It can also be connected to the input with DC signals



Technical data

| Output                                                        |                                           |
|---------------------------------------------------------------|-------------------------------------------|
| Max. switching voltage, AC / Continuous current               | 250 V / 6 A                               |
| Min. switching power                                          | 12 V / 10 mA                              |
| Switch-on delay / Switch-off delay                            | 6.6 ms / 5.8 ms                           |
| Contact material                                              | AgSnO                                     |
| Mechanical service life                                       | 20 x 10 <sup>6</sup> switching cycles     |
| Max. switching frequency at rated load                        | 0.1 Hz                                    |
| Rated data                                                    |                                           |
| Status indicator / Free-wheel diode                           | Green LED / Yes                           |
| Reverse polarity protection                                   | Available                                 |
| Ambient temperature (operational)                             | -25 °C...+55 °C                           |
| Storage temperature                                           | -40 °C...+60 °C                           |
| Humidity                                                      | 40°C / 93% rel. humidity, no condensation |
| Insulation coordination (EN 50 178)                           |                                           |
| Standards                                                     | DIN EN 50178                              |
| Rated voltage                                                 | 300 V                                     |
| Impulse withstand voltage                                     | 4 kV (1.2/50 µs)                          |
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm                                  |
| Surge voltage category                                        |                                           |
| Pollution severity level                                      |                                           |
| Protective separation acc. to VDE 0106 part 101               |                                           |

| Dimensions                             | Screw connection                                                 | Tension clamp connection |
|----------------------------------------|------------------------------------------------------------------|--------------------------|
| Clamping range (nominal / min. / max.) | mm <sup>2</sup> 2.5 / 0.5 / 4                                    | 1.5 / 0.5 / 2.5          |
| Length x width x height                | mm 93 / 6.1 / 92                                                 | 94 / 6.1 / 91            |
| Note                                   | Cross-connections and markers - refer to MICROSERIES accessories |                          |

Ordering data

| Input                     |
|---------------------------|
| Rated control voltage     |
| Rated current AC          |
| Rated current DC          |
| Power rating              |
| AC Response/dropout Volt  |
| DC Response/dropout Volt  |
| AC pickup/dropout current |
| DC pickup/dropout current |
| Approvals                 |

| 24 V DC ACT    |
|----------------|
| 24 V DC ±20 %  |
| 6.6 mA         |
| 160 mW         |
| 15.4 V / 6.5 V |
| 4 mA / 1.2 mA  |
| CE; cULus      |

| 120 V AC 1C0 RC         |
|-------------------------|
| 120 V AC + 10 % / -15 % |
| 7 mA                    |
| 0.84 VA                 |
| 60 V / 37 V             |
| 4.5 mA / 3.7 mA         |
| CE; cULus               |

| 230 V UC 1C0           |
|------------------------|
| 230 V UC +10 % / -15 % |
| 3.5 mA                 |
| 2.9 mA                 |
| 0.8 VA / 660 mW        |
| 146 V / 104 V          |
| 153 V / 101 V          |
| 1.7 mA / 0.7 mA        |
| CE                     |

| Ordering data            |           |
|--------------------------|-----------|
| Relay with socket        |           |
| Screw connection         | Type      |
|                          | Order No. |
| Tension clamp connection | Type      |
|                          | Order No. |

|               |
|---------------|
| MRS 24VDC ACT |
| 8660920000    |
| MRZ 24VDC ACT |
| 8660910000    |

|                   |
|-------------------|
| MRS 120VUC 1C0 RC |
| 8825970000        |
| MRZ 120VUC 1C0 RC |
| 8825960000        |

|                |
|----------------|
| MRS 230VUC 1C0 |
| 8825990000     |
| MRZ 230VUC 1C0 |
| 8825980000     |

| Ordering data           |
|-------------------------|
| Spare relay (pluggable) |
| Type                    |
| Order No.               |

|                       |
|-----------------------|
| RSS113024 24VDC-REL1U |
| 4060120000            |

|                       |
|-----------------------|
| RSS113060 60VDC-REL1U |
| 4061630000            |

|                       |
|-----------------------|
| RSS113060 60VDC-REL1U |
| 4061630000            |

| Note |
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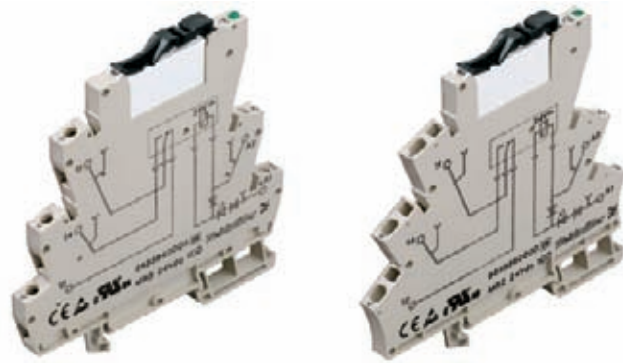
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**1 change-over****with hard gold plated contacts AC / DC / UC coil**

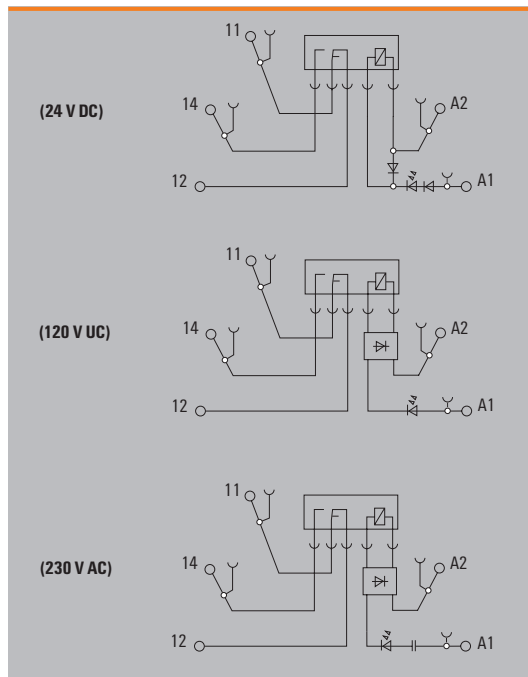
This module may be used as a universal interface between the control and actuator for connecting small and medium loads.

- Interchangeable relay modules, can also be exchanged with an opto module
- 6.1 mm wide
- The plug-in cross-connection at the input and output minimises the wiring task

**Technical data**

| Output                                                        |                                           |
|---------------------------------------------------------------|-------------------------------------------|
| Max. switching voltage, AC / Continuous current               | 250 V / 6 A                               |
| Min. switching power                                          | 1 V / 1 mA                                |
| Switch-on delay / Switch-off delay                            | 6.6 ms / 5.8 ms                           |
| Contact material                                              | AgSnO 5µm Au                              |
| Mechanical service life                                       | 20 x 10 <sup>6</sup> switching cycles     |
| Max. switching frequency at rated load                        | 0.1 Hz                                    |
| Rated data                                                    |                                           |
| Status indicator / Free-wheel diode                           | Green LED / Yes                           |
| Reverse polarity protection                                   | Available                                 |
| Ambient temperature (operational)                             | -25 °C...+55 °C                           |
| Storage temperature                                           | -40 °C...+60 °C                           |
| Humidity                                                      | 40°C / 93% rel. humidity, no condensation |
| Insulation coordination (EN 50 178)                           |                                           |
| Standards                                                     | DIN EN 50178                              |
| Rated voltage                                                 | 300 V                                     |
| Impulse withstand voltage                                     | 4 kV (1.2/50 µs)                          |
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm                                  |
| Surge voltage category                                        |                                           |
| Pollution severity level                                      |                                           |
| Protective separation acc. to VDE 0106 part 101               |                                           |

| Dimensions                             | Screw connection                                                 | Tension clamp connection |
|----------------------------------------|------------------------------------------------------------------|--------------------------|
| Clamping range (nominal / min. / max.) | mm <sup>2</sup> 2.5 / 0.5 / 4                                    | 1.5 / 0.5 / 2.5          |
| Length x width x height                | mm 93 / 6.1 / 92                                                 | 94 / 6.1 / 91            |
| Note                                   | Cross-connections and markers - refer to MICROSERIES accessories |                          |

**Ordering data**

| Input                     | 24 V DC 1CO Au | 120 V UC 1CO Au        | 230 V AC 1CO Au |
|---------------------------|----------------|------------------------|-----------------|
| Rated control voltage     | 24 V DC ±20 %  | 120 V UC +10 % / -15 % | 230 V AC ±10 %  |
| Rated current AC          |                | 3.5 mA ±15 %           | 7.6 mA          |
| Rated current DC          | 6.6 mA         | 3.5 mA ±15 %           |                 |
| Power rating              | 160 mW         | 0.42 VA, 360 mW        | 1.75 VA, 210 mW |
| AC Response/dropout Volt  |                | 60 V / 37 V            | 103 V / 49 V    |
| DC Response/dropout Volt  | 15.4 V / 6.5 V | 71 V / 22 V            |                 |
| AC pickup/dropout current |                | 1.8 mA / 1.1 mA        | 5 mA / 2.5mA    |
| DC pickup/dropout current | 4 mA / 1.2 mA  | 1.8 mA / 0.5 mA        |                 |
| Approvals                 | CE; cULus      | CE; cULus              | CE; cULus       |

| Ordering data            |           | 24 V DC 1CO Au     | 120 V UC 1CO Au     | 230 V AC 1CO Au     |
|--------------------------|-----------|--------------------|---------------------|---------------------|
| Relay with socket        |           |                    |                     |                     |
| Screw connection         | Type      | MRS 24VDC 1CO 5uAu | MRS 120VUC 1CO 5uAu | MRS 230VAC 1CO 5uAu |
|                          | Order No. | 8596060000         | 8652030000          | 8596050000          |
| Tension clamp connection | Type      | MRZ 24VDC 1CO 5uAu | MRZ 120VUC 1CO 5uAu | MRZ 230VAC 1CO 5uAu |
|                          | Order No. | 8596080000         | 8652040000          | 8596070000          |

| Ordering data           |           | 24 V DC 1CO Au        | 120 V UC 1CO Au       | 230 V AC 1CO Au       |
|-------------------------|-----------|-----------------------|-----------------------|-----------------------|
| Spare relay (pluggable) |           |                       |                       |                       |
|                         | Type      | RSS112024 24VDC-REL1U | RSS112060 60VDC-REL1U | RSS112024 24VDC-REL1U |
|                         | Order No. | 4061590000            | 4061600000            | 4061590000            |

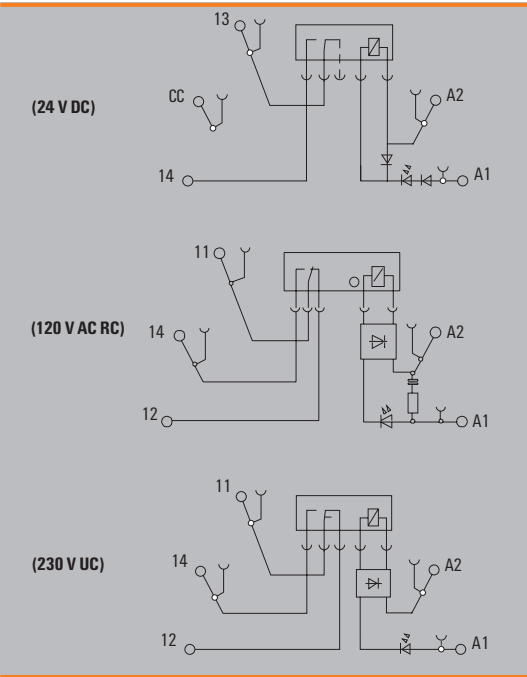
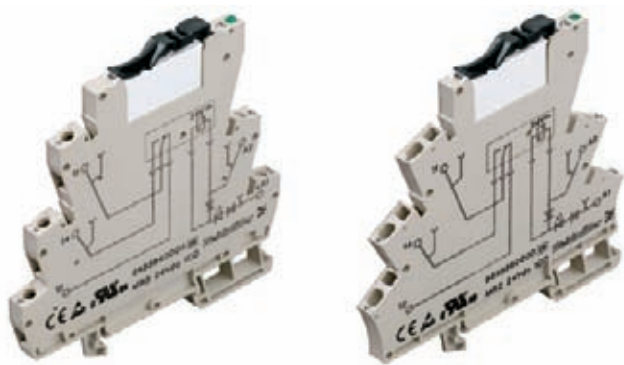
| Note | Allows safely connecting loads of up to 100 - 60 V AC/DC and 1 - 300 mA. Connecting higher loads may damage the gold plating. | Allows safely connecting loads of up to 100 - 60 V AC/DC and 1 - 300 mA. Connecting higher loads may damage the gold plating. | Allows safely connecting loads of up to 100 - 60 V AC/DC and 1 - 300 mA. Connecting higher loads may damage the gold plating. |
|------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
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MICROSERIES - Relay Couplers

1 CO contact  
AC / DC / UC coil

This module may be used as a universal interface between the control and actuator for connecting small and medium loads.

- Interchangeable relay modules, can also be exchanged with an opto module
- 6.1 mm wide
- The plug-in cross-connection at the input and output minimises the wiring task



Technical data

| Output                                                        |                                           |
|---------------------------------------------------------------|-------------------------------------------|
| Max. switching voltage, AC / Continuous current               | 250 V / 6 A                               |
| Min. switching power                                          | 12 V / 10 mA                              |
| Switch-on delay / Switch-off delay                            | 5.8 ms / 6.9 ms                           |
| Contact material                                              | AgSnO                                     |
| Mechanical service life                                       | 20 x 10 <sup>6</sup> switching cycles     |
| Max. switching frequency at rated load                        | 0.1 Hz                                    |
| Rated data                                                    |                                           |
| Status indicator / Free-wheel diode                           | Green LED / Yes                           |
| Reverse polarity protection                                   | Available                                 |
| Ambient temperature (operational)                             | -25 °C...+55 °C                           |
| Storage temperature                                           | -40 °C...+60 °C                           |
| Humidity                                                      | 40°C / 93% rel. humidity, no condensation |
| Insulation coordination (EN 50 178)                           |                                           |
| Standards                                                     | DIN EN 50178                              |
| Rated voltage                                                 | 300 V                                     |
| Impulse withstand voltage                                     | 4 kV (1.2/50 µs)                          |
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm                                  |
| Surge voltage category                                        |                                           |
| Pollution severity level                                      |                                           |
| Protective separation acc. to VDE 0106 part 101               |                                           |

| Dimensions                             | Screw connection                                                 |               |
|----------------------------------------|------------------------------------------------------------------|---------------|
| Clamping range (nominal / min. / max.) | mm <sup>2</sup>                                                  | 2.5 / 0.5 / 4 |
| Length x width x height                | mm                                                               | 93 / 6.1 / 92 |
| Note                                   | Cross-connections and markers - refer to MICROSERIES accessories |               |

Ordering data

| Input                     | 12 V DC 1CO   | 24 V DC 1CO      | 24 V UC 1CO      |
|---------------------------|---------------|------------------|------------------|
| Rated control voltage     | 12 V DC ±20 % | 24 V DC ±20 %    | 24 V UC ±10 %    |
| Rated current AC          |               |                  | 11 mA            |
| Rated current DC          | 17 mA         | 6.6 mA           | 6.4 mA           |
| Power rating              | 210 mW        | 160 mW           | 270 mVA / 154 mW |
| AC Response/dropout Volt  |               |                  |                  |
| DC Response/dropout Volt  | 6.4 V / 2.5 V | 15.4 V / 6.5 V   | 15.8 V / 7 V     |
| AC pickup/dropout current |               |                  |                  |
| DC pickup/dropout current | 8.4mA/2.4mA   | 4 mA / 1.2 mA    | 3.6mA/1.3mA      |
| Approvals                 | CE; cULusEX   | Cl. I Div. 2; CE | CE; cULusEX      |

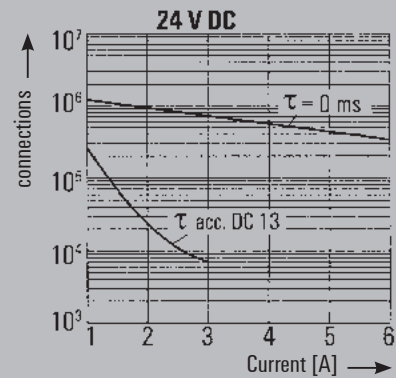
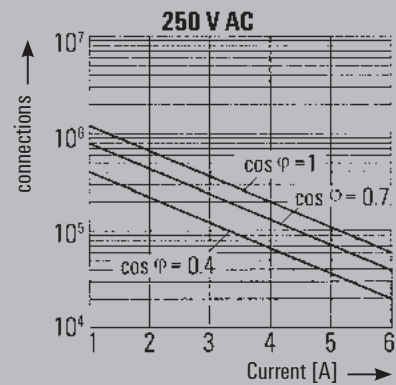
| Ordering data           |           |                       |                       |                       |
|-------------------------|-----------|-----------------------|-----------------------|-----------------------|
| Relay with socket       |           |                       |                       |                       |
| Screw connection        | Type      | MRS 12VDC 1CO C1D2    | MRS 24VDC 1CO C1D2    | MRS 24VUC 1CO C1D2    |
|                         | Order No. | 8967340000            | 8967350000            | 8967360000            |
|                         | Type      |                       |                       |                       |
| Order No.               | Type      |                       |                       |                       |
|                         | Order No. |                       |                       |                       |
| Ordering data           |           |                       |                       |                       |
| Spare relay (pluggable) |           |                       |                       |                       |
| Order No.               | Type      | RSS113012 12VDC-REL1U | RSS113024 24VDC-REL1U | RSS113024 24VDC-REL1U |
|                         | Order No. | 4061610000            | 4060120000            | 4060120000            |
| Note                    |           |                       |                       |                       |

RSS Relay  
1 CO contact DC coil

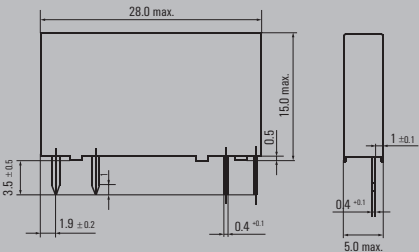


Cross Connection

Useful life of AgSnO2 material contact



Dimensional drawing



Technical data

|                                                          |                                                            |
|----------------------------------------------------------|------------------------------------------------------------|
| Number and type of contacts                              | 1 change-over contact                                      |
| Contact                                                  | 1 CC                                                       |
| Switching current                                        | 6 A                                                        |
| Connection/disconnection time                            | 250 V AC / 400 V AC                                        |
| Switching power                                          | 1500 VA                                                    |
| Contact material / recommended for minimum loads         | AgSnO2 12 V, 10 mA<br>AgSnO2 5μ Au 1 V, 1 mA <sup>1)</sup> |
| CNA bounce time                                          | 1 ms                                                       |
| CNC bounce time                                          | 5 ms                                                       |
| Other data                                               |                                                            |
| Type of flammability acc. UL                             | V-0                                                        |
| Room temperature                                         | -40 ... +85 °C                                             |
| Frequency of max. connection with / without nominal load | 6/1200 connections per minute                              |
| Connection/disconnection time                            | 5 / 2.5 ms                                                 |
| Bounce time of contact normally open/closed              | 1.5 / 5 ms                                                 |
| Type of box protection                                   | IP 67                                                      |

<sup>1)</sup> recommended connection power: μW up to 0.25 W (depending on the load status) to 2.5 W the level will continue being effective to approx. 20,000 connection cycles

Ordering data

|                                                     | Type       | Qty. | Order No.  |
|-----------------------------------------------------|------------|------|------------|
| 5V coil voltage, 1 CO contact                       | RSS 113005 | 20   | 4061580000 |
| 12V coil voltage, 1 CO contact                      | RSS 113012 | 20   | 4061610000 |
| 24V coil voltage, 1 CO contact                      | RSS 113024 | 20   | 4060120000 |
| 48V coil voltage, 1 CO contact                      | RSS 113048 | 20   | 4061620000 |
| 60V coil voltage, 1 CO contact                      | RSS 113060 | 20   | 4061630000 |
| 24V coil voltage, 1 CO contact, 5μ Au <sup>1)</sup> | RSS 112024 | 20   | 4061590000 |
| 60V coil voltage, 1 CO contact, 5μ Au <sup>1)</sup> | RSS 112060 | 20   | 4061600000 |

Code of the RSS type of relay

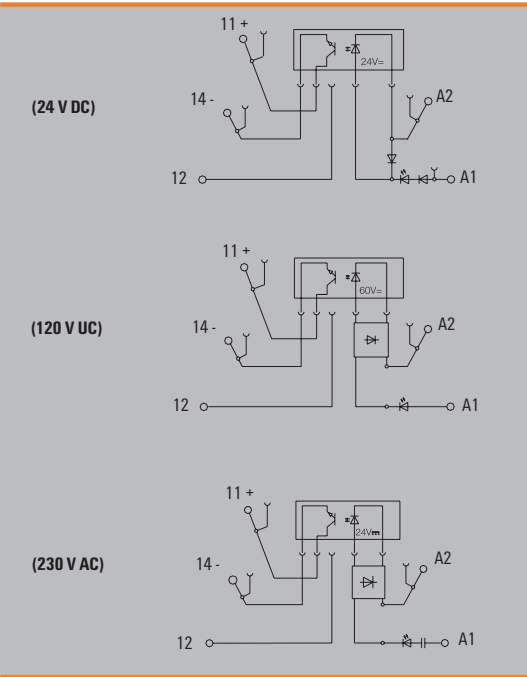
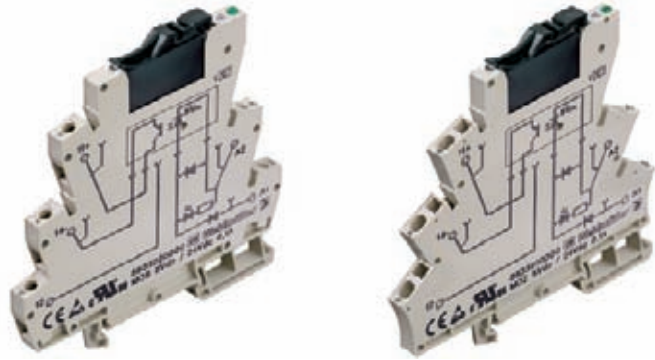
|                  |                                                                        |  |  |  |  |
|------------------|------------------------------------------------------------------------|--|--|--|--|
| Type code        | RSS                                                                    |  |  |  |  |
| Type             | RIDER Signal Slim                                                      |  |  |  |  |
| Model            | 1 Printing, vertical, washable                                         |  |  |  |  |
| Type of contact  | 1 1 Changeover contact                                                 |  |  |  |  |
| Contact material | 2 AgSnO <sub>2</sub> htv<br>3 AgSnO <sub>2</sub>                       |  |  |  |  |
| Coil             | 005 5 V DC<br>012 12 V DC<br>024 24 V DC<br>048 48 V DC<br>060 60 V DC |  |  |  |  |

# MICROSERIES - Relay Couplers

## MOS / MOZ 3...48 V DC / 0.1 A

Universal interface between the control and the sensor/actuator

- Plug-in cross-connection ZQV 4N
- Interchangeable solid state relay
- 6.1 mm wide
- Screw or tension clamp connection
- For mounting on TS35



### Technical data

| Load side                                                     |                                           |
|---------------------------------------------------------------|-------------------------------------------|
| Rated switching voltage                                       | 3...48 V DC                               |
| Rated switching current                                       | 0.1 A                                     |
| Voltage drop at max. load                                     | ≤ 1 V                                     |
| Leakage current                                               |                                           |
| Short-circuit-proof                                           | No                                        |
| Rated data                                                    |                                           |
| Ambient temperature (operational)                             | -25 °C...+50 °C                           |
| Storage temperature                                           | -40 °C...+60 °C                           |
| Humidity                                                      | 40°C / 93% rel. humidity, no condensation |
| Insulation coordination (EN 50 178)                           |                                           |
| Standards                                                     | DIN EN 50178                              |
| Rated voltage                                                 | 300 V                                     |
| Rated impulse withstand voltage                               | 4 kV (1.2 / 50 µs)                        |
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm                                  |
| Surge voltage category                                        |                                           |
| Pollution severity level                                      |                                           |

| Dimensions                             | Screw connection                                                 | Tension clamp connection |
|----------------------------------------|------------------------------------------------------------------|--------------------------|
| Clamping range (nominal / min. / max.) | mm <sup>2</sup> 2.5 / 0.5 / 4                                    | 1.5 / 0.5 / 2.5          |
| Length x width x height                | mm 92 / 6.1 / 93                                                 | 91 / 6.1 / 94            |
| Note                                   | Cross-connections and markers - refer to MICROSERIES accessories |                          |

### Ordering data

| Control side          | 5 V DC / 24 V DC 0,1 A | 24 V DC / 24 V DC 0,1 A | 120 V UC / 24 V DC 0,1 A | 230 V AC / 24 V DC 0,1 A |
|-----------------------|------------------------|-------------------------|--------------------------|--------------------------|
| Rated control voltage | 5 V DC ±20 %           | 24 V DC ±20 %           | 120 V UC +10 % / -15 %   | 230 V AC ±10 %           |
| Power rating          | 35 mW ±10 %            | 140 mW                  | 340 mW / 0.4 VA          | 1.7 VA                   |
| Input frequency       | max. 10 Hz             | 300 Hz                  | DC: 10 Hz / AC: 3 Hz     | max. 10 Hz               |
| Switch-on delay       | < 6.5 ms               | 35 µs                   | < 6.5 ms                 | < 6.5 ms                 |
| Switch-off delay      | < 10 ms                | 355 µs                  | < 10 ms                  | < 10 ms                  |
| Approvals             | CE; cULus              | CE; cULus               | CE; cULus                | CE; cULus                |

| Ordering data            |           |                       |                        |                         |                         |
|--------------------------|-----------|-----------------------|------------------------|-------------------------|-------------------------|
| Relay with socket        |           |                       |                        |                         |                         |
| Screw connection         | Type      | MOS 5VDC / 24VDC 0,1A | MOS 24VDC / 24VDC 0,1A | MOS 120VUC / 24VDC 0,1A | MOS 230VAC / 24VDC 0,1A |
|                          | Order No. | 8633020000            | 8607340000             | 8607690000              | 8607710000              |
| Tension clamp connection | Type      | MOZ 5VDC / 24VDC 0,1A | MOZ 24VDC / 24VDC 0,1A | MOZ 120VUC / 24VDC 0,1A | MOZ 230VAC / 24VDC 0,1A |
|                          | Order No. | 8633010000            | 8607360000             | 8607730000              | 8607750000              |

| Ordering data           |           |                          |                           |                           |                           |
|-------------------------|-----------|--------------------------|---------------------------|---------------------------|---------------------------|
| Spare relay (pluggable) |           |                          |                           |                           |                           |
| Type                    | Type      | SSS RELAIS 5V/24V 0,1ADC | SSS RELAIS 24V/24V 0,1ADC | SSS RELAIS 60V/24V 0,1ADC | SSS RELAIS 24V/24V 0,1ADC |
|                         | Order No. | 4064320000               | 4061180000                | 4061230000                | 4061180000                |

| Note |  |  |  |  |  |
|------|--|--|--|--|--|
|      |  |  |  |  |  |

## Plug-in solid-state relay

## SSS Relay

Connection current 100 mA

## SSS Relay

Connection current 2 A

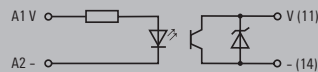
## SSS Relay

Connection current 1 A



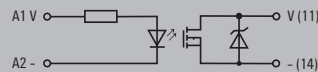
## Technical data

| Input                           | 5 V DC                                      | 24 V DC              | 60 V DC               |
|---------------------------------|---------------------------------------------|----------------------|-----------------------|
| Nominal Control Voltage         | 0.8 V DC/6 V DC                             | 16 V DC/30 V DC      | 52 V DC/72 V DC       |
| Min./max. control voltage       | 4.1 mA                                      | 7 mA $\pm$ 10 %      | 2.8 mA $\pm$ 10 %     |
| Control current to $U_N = 24$ V | 2.5 V DC                                    | 10 V DC              | 40 V DC               |
| Release Voltage                 | -                                           | approx. 4 k $\Omega$ | approx. 20 k $\Omega$ |
| Control Circuit Resistance      |                                             |                      |                       |
| Output                          |                                             |                      |                       |
| Load voltage                    | Bipolar transistor                          |                      |                       |
| Permanent current               | 3 ... 48 V DC                               |                      |                       |
| to $U_A > 5$ V DC               | 100 mA DC                                   |                      |                       |
| Voltage drop (activation)       | < 1 V DC                                    |                      |                       |
| Insulation                      |                                             |                      |                       |
| Test voltage between I/O        | 2.5 kV                                      |                      |                       |
| Other data                      |                                             |                      |                       |
| Service temperature             | -20 °C ... +60 °C                           |                      |                       |
| Storage temperature scale       | -40 °C ... +70 °C                           |                      |                       |
| Weight                          | 3.65 g                                      |                      |                       |
| Humidity                        | 40°C/93% rel. humidity without condensation |                      |                       |
| Approvals                       |                                             |                      |                       |
| *TU 20 °C                       |                                             |                      |                       |
| Schematic/circuit diagram       |                                             |                      |                       |

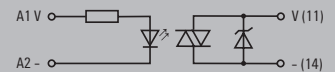


If you require more details, visit  
[www.vincotech.com](http://www.vincotech.com)

| Input                           | 5 V DC                                      | 24 V DC                | 60 V DC               |
|---------------------------------|---------------------------------------------|------------------------|-----------------------|
| Nominal Control Voltage         | 2.5 V DC/6 V DC                             | 18 V DC/30 V DC        | 35 V DC/72 V DC       |
| Min./max. control voltage       | 9 mA                                        | 7 mA $\pm$ 10 %        | 3.0 mA $\pm$ 10 %     |
| Control current to $U_N = 24$ V | 0.8 V DC                                    | 10 V DC                | 20 V DC               |
| Release Voltage                 | approx. 5 k $\Omega$                        | approx. 3.2 k $\Omega$ | approx. 16 k $\Omega$ |
| Control Circuit Resistance      |                                             |                        |                       |
| Output                          |                                             |                        |                       |
| Load voltage                    | MOS-FET                                     |                        |                       |
| Permanent current               | 3 ... 33 V DC                               |                        |                       |
| to $U_A > 5$ V DC               | 2 A DC                                      |                        |                       |
| Voltage drop (activation)       | < 120 mV DC                                 |                        |                       |
| Insulation                      |                                             |                        |                       |
| Test voltage between I/O        | 2.5 kV                                      |                        |                       |
| Other data                      |                                             |                        |                       |
| Service temperature             | -20 °C ... +60 °C                           |                        |                       |
| Storage temperature scale       | -40 °C ... +70 °C                           |                        |                       |
| Weight                          | 3.65 g                                      |                        |                       |
| Humidity                        | 40°C/93% rel. humidity without condensation |                        |                       |
| Approvals                       |                                             |                        |                       |
| *TU 20 °C                       |                                             |                        |                       |
| Schematic/circuit diagram       |                                             |                        |                       |



| Input                           | 24 V DC                                     | 60 V DC           |
|---------------------------------|---------------------------------------------|-------------------|
| Nominal Control Voltage         | 18 ... 30 V DC                              | 35 ... 72 V DC    |
| Min./max. control voltage       | 3.1 mA $\pm$ 10 %                           | 3.1 mA $\pm$ 10 % |
| Control current to $U_N = 24$ V | 20 V DC                                     | 20 V DC           |
| Release Voltage                 | 20 k $\Omega$                               | 20 k $\Omega$     |
| Control Circuit Resistance      |                                             |                   |
| Output                          |                                             |                   |
| Load voltage                    | TRIAC                                       |                   |
| Permanent current               | 24 ... 240 V AC                             |                   |
| to $U_A > 5$ V DC               | 1 A AC                                      |                   |
| Voltage drop (activation)       | < 1 V AC                                    |                   |
| Insulation                      |                                             |                   |
| Test voltage between I/O        | 2.5 kV                                      |                   |
| Other data                      |                                             |                   |
| Service temperature             | -20 °C ... +60 °C                           |                   |
| Storage temperature scale       | -40 °C ... +70 °C                           |                   |
| Weight                          | 3.65 g                                      |                   |
| Humidity                        | 40°C/93% rel. humidity without condensation |                   |
| Approvals                       |                                             |                   |
| *TU 20 °C                       |                                             |                   |
| Schematic/circuit diagram       |                                             |                   |



## Ordering data

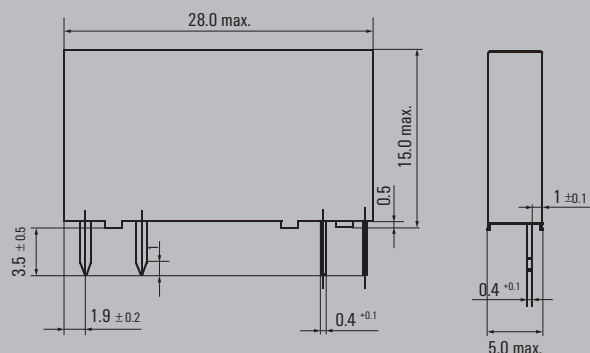
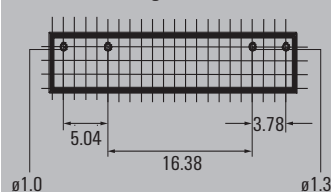
| Nominal Control Voltage | Type                          | Order No.  |
|-------------------------|-------------------------------|------------|
| 5 V DC                  | SSS Relais 5 V/24 V 0.1 A DC  | 4064320000 |
| 24 V DC                 | SSS Relais 24 V/24 V 0.1 A DC | 4061180000 |
| 60 V DC                 | SSS Relais 60 V/24 V 0.1 A DC | 4061230000 |

| Type                         | Order No.  |
|------------------------------|------------|
| SSS Relais 5 V / 24 V 2 A DC | 4064310000 |
| SSS Relais 24 V/24 V 2 A DC  | 4061190000 |
| SSS Relais 60 V/24 V 2 A DC  | 4061200000 |

| Type                         | Order No.  |
|------------------------------|------------|
| SSS Relais 24 V/230 V 1 A AC | 4061210000 |
| SSS Relais 60 V/230 V 1 A AC | 4061220000 |

## Dimensional drawing

## Printed circuit diagram





# Interface and pre-assembled cables for general applications

|                                                                |                                                                              |      |
|----------------------------------------------------------------|------------------------------------------------------------------------------|------|
| Interface and pre-assembled cables<br>for general applications | Introduction                                                                 | C.2  |
|                                                                | RS F – Interface for flat cable in accordance with IEC 603-1/ DIN41651       | C.6  |
|                                                                | RS SD – Interface for connector SUB-D in accordance with IEC 807-2/ DIN41652 | C.8  |
|                                                                | RS RJ45 – Interfaces with RJ45 connector                                     | C.10 |
|                                                                | RS ELCO – Interface with ELCO plug-in connectors                             | C.12 |
|                                                                | RS VERT – Supply voltage distributor modules                                 | C.16 |
|                                                                | RSD – Interfaces with diodes                                                 | C.19 |
|                                                                | PAC-UNIV Pre-assembled cables for RS F and RS SD interfaces                  | C.20 |
|                                                                | PAC-ELCO Pre-assembled cables for RS ELCO interfaces                         | C.22 |

# Interface and pre-assembled cables for general applications

Due to the need for cost reductions in the construction of electric cabinets, our interfaces for general applications offer an alternative to end-to-end wiring concepts. Their main function is as an adapter to enable a functional and safe operation between standard plug-in connectors connected to any controller or PLC, and printed circuit terminals connected to application sensors/activators.

Weidmüller's universal interfaces for applications have the following individual features:

- Extruded profile for inserting the PCB
- End plates for fitting on the mounting rail
- Clip-on feet for locking on standardised mounting rails TS 32 and TS 35
- Printed circuit board where the following elements can be identified:
  - Plug-in connectors
  - Weidmüller terminals for screw or tension clamp connection
  - Markings

The plug-in connectors used for interconnection can be divided into the following groups:

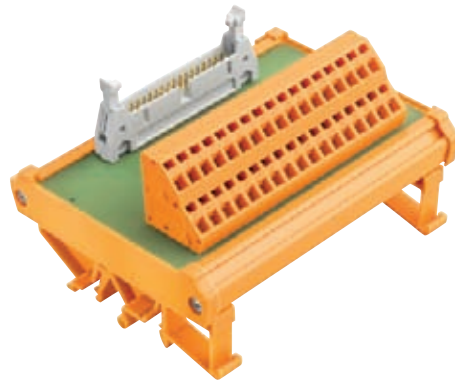
- Ribbon cable connector in accordance with IEC 603-1/DIN 41651 (RSF)
- Miniature SUB-D plug-in connectors acc. to IEC 807-2/DIN 41652
- RJ45 connectors for data lines
- Plug-in ELCO connectors for applications in high-demand industrial areas.

Pre-assembled cables with the corresponding plug-in connector systems are used in the connection between the controller and the interface. These pre-assembled cables allow maximum savings for the user, as they achieve a cost reduction in the materials, due to fewer individual cables, conductors and cable ducting.

## Advantages of the interface units:

- Space savings thanks to the 2 and 3 floor interface terminals.
- Conventional end-to-end wiring is only needed on one side, therefore assembly and start-up times are reduced,
- Greater safety, preventing wiring errors
- Simplified setup and documentation

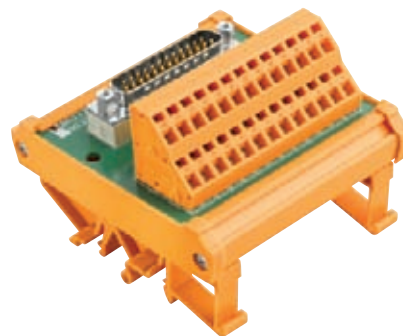
## RS F – Interface for ribbon cable in accordance with IEC 603-1/ DIN41651



Passive interfaces for transmitting signals from a plug-in flat cable connector, based on IEC 603-1 / DIN41651, to a tension clamp or screw connection.

Connection between both connectors is 1 to 1 and the range includes male connectors with between 10 and 64-poles.

## RS SD – Interface for connector SUB-D in accordance with IEC 807-2/ DIN41652



Passive interfaces for transmitting signals from a plug-in SUB-D connector based on IEC 807-2 / DIN41652, to a tension clamp connection or screw connection.

Thanks to the metal casing of the SUB-D these connectors are ideal for transmitting analogue signals or for connection with shielded cables.

Connection between both connectors is 1 to 1 and the range includes male and female connectors with between 9 and 50-poles.

### RS RJ45 - Interfaces with RJ45 connector

Passive interfaces transport signals from a modem, router, computer or any other communications equipment using RJ45 connectors to screw or tension clamp connections.

They can be used to adapt the shielded RJ-45 8-pole connectors to screw connections or for coupling 2 data lines.

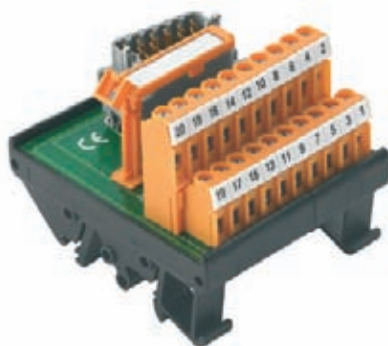
For data transmission rates of up to 100 Mbps, it is advisable to connect one end of the shield of the data cable to a protective earth.



The modules can be fixed to standard TS32 and/or TS35 mounting rails.

### RS ELCO – Interface with ELCO plug-in connectors

Passive interfaces that transport signals proceeding from a 20 to 90-pole ELCO plug-in connector to screw or tension clamp connection techniques.



The ELCO connectors are used, for example, in electric power stations, refineries and in different processing applications in which a robust, reliable connection is

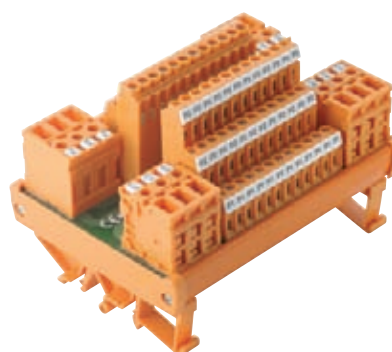
needed for a large number of signals. The main feature of an ELCO connector is its reliability thanks to its hermaphrodite contact, which is shaped like a fork.

The diagonal disposition of the connector (from right to left) facilitates the wiring of the cables in the electrical cabinet and avoids them from crossing one other.

### RS VERT – Supply voltage distributor modules

Passive interfaces for the distribution of AC or DC voltage. These interfaces can distribute from 2 to 6 different voltages. This allows distributing voltages of 230/400 V AC and DC control signals.

These interfaces provide an easy visualisation, and can be fixed to standard TS35 and/or TS32 assembly rails.



# Interface and pre-assembled cables for general applications

## RSD – Interfaces with diodes



The diode interface is used for protection from surges, testing lamps or for preventing reverse polarity.

We therefore supply the following interfaces, namely:

- In common anode
- In common cathode
- Transverse diode

All come with screw connection and can be assembled onto TS-32 and TS-35 rails.

## PAC-UNIV Pre-assembled cables for RS F and RS SD interfaces



This range of pre-assembled cables for ribbon cabling complies with IEC 603-1/DIN41651 and SUB-D in accordance with IEC 807-2/DIN41652.

One end of the cable is prepared for connecting with the RS-F or RS SD interfaces and the other end for wire-end ferrules or to a SUB-D connector or ribbon cable.

Colour code acc. To DIN 47,100 and available in different lengths.

## PAC-ELCO Pre-assembled cables for RS ELCO interfaces



With pre-assembled cables for ELCO connectors, one end of the cable is prepared for connecting with the RS-ELCO interfaces. The other end is connected to a wire-end ferrule or to a female ELCO connector. Colour code acc. To DIN 47,100 and available in different lengths.



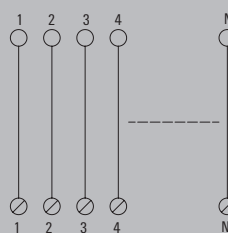
## RS F - Interface for flat cable in accordance with IEC 603-1 / DIN 41651

RS F - Interface for flat cable in accordance  
with IEC 603-1/ DIN 41651

Interface for flat cable in accordance with  
IEC 603-1/ DIN 41651.

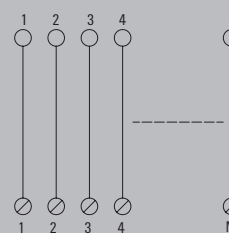
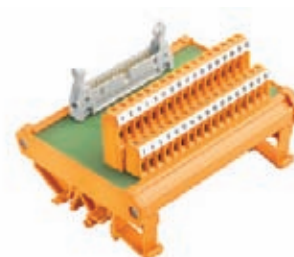
- Connection 1:1
- 10 to 64 poles
- Screw or tension clamp connection

## RSF Z



N: Number of poles

## RSF S



N: Number of poles

## Technical data

| Connection data                     |
|-------------------------------------|
| Connection on control side          |
| Connection (field side)             |
| Rated data                          |
| Rated voltage                       |
| Rated current per connection        |
| General data                        |
| Ambient temperature (operational)   |
| Storage temperature                 |
| Approvals                           |
| Insulation coordination (EN50178)   |
| Rated insulation voltage            |
| Surge voltage category              |
| Pollution severity level            |
| Pulse voltage test (1,2/50µs)       |
| Dimensions                          |
| Clamping range, min. / max. [Field] |
| Mounting rail                       |
| Width x height                      |
| Note                                |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |
|----------------------------------------------|
| LM2NZF 5.08mm                                |
| 60 V AC / 75 V DC                            |
| 1 A                                          |
| 0...+55°C                                    |
| -40...+70 °C                                 |
| CE; GOSTME25                                 |
| 100 V                                        |
| II                                           |
| 2                                            |
| 0.8 kV                                       |
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup>   |
| TS 35, TS 32                                 |
| 87 mm / 64 mm                                |
| Note                                         |

| Plug-in connector acc. IEC 603-1 / DIN 41651 |
|----------------------------------------------|
| LP2N 5.08mm                                  |
| 60 V AC / 75 V DC                            |
| 1 A                                          |
| 0...+55°C                                    |
| -40...+60 °C                                 |
| CE; GOSTME25                                 |
| 100 V                                        |
| II                                           |
| 2                                            |
| 0.8 kV                                       |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |
| TS 35, TS 32                                 |
| 87 mm / 70 mm                                |
| Note                                         |

## Ordering data

|                   |
|-------------------|
| 10-pole connector |
| 14-pole connector |
| 16-pole connector |
| 20-pole connector |
| 26-pole connector |
| 34-pole connector |
| 40-pole connector |
| 50-pole connector |
| 60-pole connector |
| 64-pole connector |

| Type     | Length | Order No.  |
|----------|--------|------------|
| RS F10 Z | 50 mm  | 8537190000 |
| RS F14 Z | 50 mm  | 8537200000 |
| RS F20 Z | 65 mm  | 8537110000 |
| RS F26 Z | 80 mm  | 8537180000 |
| RS F34 Z | 110 mm | 8537130000 |
| RS F40 Z | 115 mm | 8537140000 |
| RS F50 Z | 145 mm | 8537150000 |
|          |        |            |
|          |        |            |

| Type             | Length | Order No.  |
|------------------|--------|------------|
| RS F10 LP2N 5/10 | 50 mm  | 0224961001 |
| RS F14 LP2N 5/14 | 50 mm  | 0225061001 |
| RS F16 LP2N 5/16 | 55 mm  | 0225161001 |
| RS F20 LP2N 5/20 | 65 mm  | 0224261001 |
| RS F26 LP2N 5/26 | 80 mm  | 0224861001 |
| RS F34 LP2N 5/34 | 110 mm | 0224361001 |
| RS F40 LP2N 5/40 | 115 mm | 0224461001 |
| RS F50 LP2N 5/50 | 145 mm | 0224561001 |
| RS F60 LP2N 5/60 | 180 mm | 0224661001 |
| RS F64 LP2N 5/64 | 180 mm | 0224761001 |

| Note |
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| Note |
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| Note |
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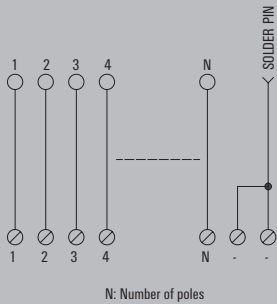
## Accessories

| Note |
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|                                                                  |
|------------------------------------------------------------------|
| Refer to the "Universal cables PAC-UNIV" section in this chapter |
|------------------------------------------------------------------|

|                                                                  |
|------------------------------------------------------------------|
| Refer to the "Universal cables PAC-UNIV" section in this chapter |
|------------------------------------------------------------------|

# RSF S/ COMPACT

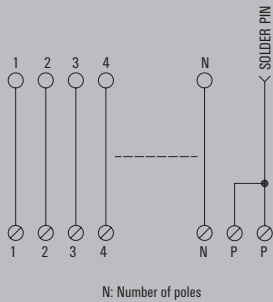


|                                              |
|----------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |
| LP3R 5.08mm                                  |
| 60 V AC / 75 V DC                            |
| 1 A                                          |
| 0...+55°C                                    |
| -40...+70 °C                                 |
| CE; GOSTME25                                 |
| 100 V                                        |
| II                                           |
| 2                                            |
| 0.8 kV                                       |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>     |
| TS 35, TS 32                                 |
| 87 mm / 76 mm                                |

| Type             | Length | Order No.  |
|------------------|--------|------------|
| RS F10 LP3R 3/12 | 40 mm  | 8012850000 |
| RS F14 LP3R 3/14 | 45 mm  | 8012860000 |
| RS F16 LP3R 3/18 | 50 mm  | 8012870000 |
| RS F20 LP3R 3/21 | 50 mm  | 8012910000 |
| RS F26 LP3R 3/27 | 55 mm  | 8012920000 |
| RS F34 LP3R 3/36 | 70 mm  | 8012930000 |
| RS F40 LP3R 3/42 | 80 mm  | 8012940000 |
| RS F50 LP3R 3/51 | 95 mm  | 8012950000 |
| RS F60 LP3R 3/63 | 115 mm | 8012960000 |
| RS F64 LP3R 3/66 | 120 mm | 8012970000 |

Refer to the "Universal cables PAC-UNIV" section in this chapter

# RSF S/ RS45



|                                              |
|----------------------------------------------|
| Plug-in connector acc. IEC 603-1 / DIN 41651 |
| LPK 2H 5.08mm                                |
| 60 V AC / 75 V DC                            |
| 1 A                                          |
| 0...+55°C                                    |
| -40...+70 °C                                 |
| CE; GOSTME25                                 |
| 100 V                                        |
| II                                           |
| 2                                            |
| 0.8 kV                                       |
| 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup>   |
| TS 35                                        |
| 45 mm / 65.5 mm                              |

| Type             | Length | Order No.  |
|------------------|--------|------------|
| RS F10 LPK 2H/12 | 49 mm  | 8155610000 |
| RS F14 LPK 2H/16 | 56 mm  | 8258980000 |
| RS F16 LPK 2H/18 | 64 mm  | 8265540000 |
| RS F20 LPK 2H/22 | 71 mm  | 8155600000 |
| RS F26 LPK 2H/28 | 86 mm  | 8213470000 |
| RS F34 LPK 2H/36 | 106 mm | 8155590000 |
| RS F40 LPK 2H/42 | 121 mm | 8155580000 |
| RS F50 LPK 2H/52 | 151 mm | 8155570000 |
| RS F60 LPK 2H/62 | 180 mm | 8259000000 |
| RS F64 LPK 2H/66 | 186 mm | 8155550000 |

Refer to the "Universal cables PAC-UNIV" section in this chapter

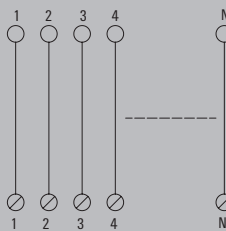
RS SD - Interface for connector SUB-D in accordance with IEC 807-2 / DIN 41652

RS SD - Interface for connector SUB-D  
in accordance with IEC 807-2/ DIN 41652

Interface for connector SUB-D in accordance with IEC 807-2/ DIN 41652.

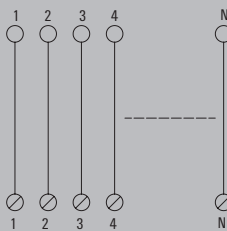
- Connection 1:1
- 9 to 50 poles
- Screw or tension clamp connection

RSSD Z



N: Number of poles

RSSD S



N: Number of poles

Technical data

| Connection data                    |
|------------------------------------|
| Connection on control side         |
| Connection (field side)            |
| Rated data                         |
| Rated voltage                      |
| Rated current per connection       |
| General data                       |
| Ambient temperature (operational)  |
| Storage temperature                |
| Approvals                          |
| Insulation coordination (EN50178)  |
| Rated insulation voltage           |
| Surge voltage category             |
| Pollution severity level           |
| Pulse voltage test (1,2/50µs)      |
| Dimensions                         |
| Clamping range, min. /max. [Field] |
| Mounting rail                      |
| Width x height                     |
| Note                               |

| Connection data                                      |
|------------------------------------------------------|
| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |
| LM2NZF 5.08mm                                        |
| Rated data                                           |
| 100 V                                                |
| 1.5 A                                                |
| General data                                         |
| 0...+55°C                                            |
| -40...+70 °C                                         |
| CE; GOSTME25                                         |
| Insulation coordination (EN50178)                    |
| 100 V                                                |
| II                                                   |
| 2                                                    |
| 0.8 kV                                               |
| Dimensions                                           |
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup>           |
| TS 35, TS 32                                         |
| 87 mm / 63.6 mm                                      |
| Note                                                 |

| Connection data                                      |
|------------------------------------------------------|
| SUB-D plug, in compliance with IEC 807-2 / DIN 41652 |
| LP2N 5.08mm                                          |
| Rated data                                           |
| 100 V                                                |
| 1.5 A                                                |
| General data                                         |
| 0...+55°C                                            |
| -40...+70 °C                                         |
| CE; GOSTME25                                         |
| Insulation coordination (EN50178)                    |
| 100 V                                                |
| II                                                   |
| 2                                                    |
| 0.8 kV                                               |
| Dimensions                                           |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>             |
| TS 35, TS 32                                         |
| 87 mm / 76 mm                                        |
| Note                                                 |

Ordering data

| Type                     |
|--------------------------|
| 9-pole male connector    |
| 15-pole male connector   |
| 25-pole male connector   |
| 37-pole male connector   |
| 50-pole male header      |
| 9-pole female connector  |
| 15-pole female connector |
| 25-pole female connector |
| 37-pole female connector |
| 50-pole female connector |

| Type       | Length | Order No.  |
|------------|--------|------------|
| RS SD9 SZ  | 45 mm  | 8537260000 |
| RS SD15 SZ | 60 mm  | 8537390000 |
| RS SD25 SZ | 80 mm  | 8537370000 |
| RS SD37 SZ | 110 mm | 8537240000 |
| RS SD50 SZ | 145 mm | 8537350000 |
| RS SD9 BZ  | 45 mm  | 8537320000 |
| RS SD15 BZ | 60 mm  | 8537400000 |
| RS SD25 BZ | 80 mm  | 8537380000 |
| RS SD37 BZ | 110 mm | 8537250000 |
| RS SD50 BZ | 87 mm  | 8537360000 |

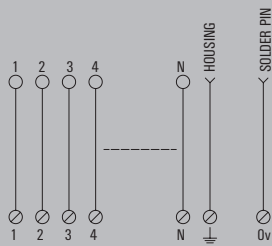
| Type                   | Length | Order No.  |
|------------------------|--------|------------|
| RS SD9S UNC 4.40 LP2N  | 45 mm  | 8003901001 |
| RS SD15S UNC 4.40 LP2N | 60 mm  | 8005201001 |
| RS SD25S UNC 4.40 LP2N | 80 mm  | 8005181001 |
| RS SD37S UNC 4.40 LP2N | 110 mm | 8003881001 |
| RS SD50S UNC 4.40 LP2N | 154 mm | 8005161001 |
| RS SD9B UNC 4.40 LP2N  | 45 mm  | 8003911001 |
| RS SD15B UNC 4.40 LP2N | 60 mm  | 8005211001 |
| RS SD25B UNC 4.40 LP2N | 80 mm  | 8005191001 |
| RS SD37B UNC 4.40 LP2N | 110 mm | 8003891001 |
| RS SD50B UNC 4.40 LP2N | 154 mm | 8005171001 |

| Note        |
|-------------|
|             |
| Accessories |
| Note        |

| Note                                                             |
|------------------------------------------------------------------|
| Refer to the "Universal cables PAC-UNIV" section in this chapter |

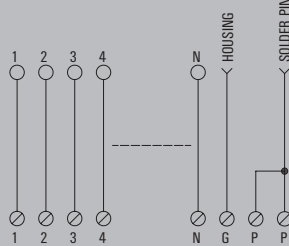
| Note                                                             |
|------------------------------------------------------------------|
| Refer to the "Universal cables PAC-UNIV" section in this chapter |

## RSSD/ COMPACT



N: Number of poles

## RSSD / RS45



N: Number of poles

SUB-D plug, in compliance with IEC 807-2 / DIN 41652

LP3R 5.08mm

100 V

1.5 A

0...+55°C

-40...+70 °C

CE; GOSTME25

100 V

II

2

0.8 kV

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

TS 35, TS 32

87 mm / 80 mm

SUB-D plug, in compliance with IEC 807-2 / DIN 41652

LPK 2H 5.08mm

100 V

1.5 A

0...+55°C

-40...+70 °C

CE; GOSTME25

100 V

II

2

0.8 kV

0.15 mm<sup>2</sup> / 1.5 mm<sup>2</sup>

TS 35

45 mm / 65.5 mm

| Type          | Length | Order No.         |
|---------------|--------|-------------------|
| RS SD9S LP3R  | 40 mm  | <b>8019930000</b> |
| RS SD15S LP3R | 45 mm  | <b>8019940000</b> |
| RS SD25S LP3R | 60 mm  | <b>8019950000</b> |
| RS SD37S LP3R | 80 mm  | <b>8019960000</b> |
| RS SD50S LP3R | 145 mm | <b>8019970000</b> |
| RS SD9B LP3R  | 40 mm  | <b>8019880000</b> |
| RS SD15B LP3R | 45 mm  | <b>8019890000</b> |
| RS SD25B LP3R | 60 mm  | <b>8019900000</b> |
| RS SD37B LP3R | 80 mm  | <b>8019910000</b> |
| RS SD50B LP3R | 100 mm | <b>8019920000</b> |

| Type              | Length | Order No.         |
|-------------------|--------|-------------------|
| RS SD9S UNC LPK2  | 50 mm  | <b>8259010000</b> |
| RS SD15S UNC LPK2 | 61 mm  | <b>8233350000</b> |
| RS SD25S UNC LPK2 | 86 mm  | <b>8155650000</b> |
| RS SD37S UNC LPK2 | 116 mm | <b>8155660000</b> |
| RS SD50S UNC LPK2 | 154 mm | <b>8155670000</b> |
| RS SD9B UNC LPK2  | 50 mm  | <b>8216480000</b> |
| RS SD15B UNC LPK2 | 61 mm  | <b>8209730000</b> |
| RS SD25B UNC LPK2 | 86 mm  | <b>8155620000</b> |
| RS SD37B UNC LPK2 | 116 mm | <b>8155630000</b> |
| RS SD50B UNC LPK2 | 45 mm  | <b>8155640000</b> |

Refer to the "Universal cables PAC-UNIV" section in this chapter

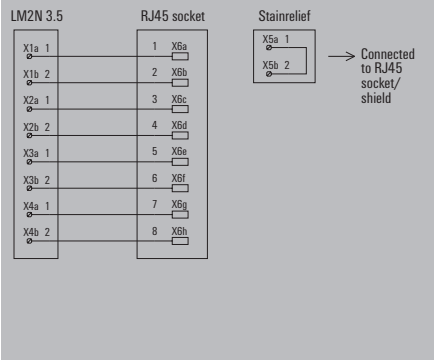
Refer to the "Universal cables PAC-UNIV" section in this chapter

RS RJ45 - Interfaces with RJ45 connector

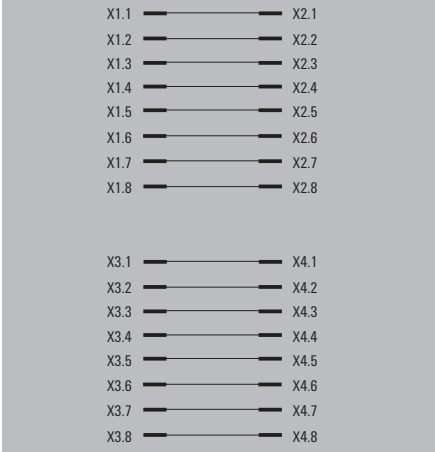
RS RJ45 - Interfaces  
with RJ45 connector

- Interface for the screw connection of communication devices
- Phosphor-bronze connector 6µ AU
- Data rate Cat5 100 Mbit

RS RJ45



RS RJ45 2WAY



Technical data

|                                    |  |
|------------------------------------|--|
| Connection data                    |  |
| Connection on control side         |  |
| Connection (field side)            |  |
| Rated data                         |  |
| Rated voltage                      |  |
| Rated current per connection       |  |
| General data                       |  |
| Ambient temperature (operational)  |  |
| Storage temperature                |  |
| Approvals                          |  |
| Insulation coordination (EN50178)  |  |
| Rated insulation voltage           |  |
| Surge voltage category             |  |
| Pollution severity level           |  |
| Pulse voltage test (1,2/50µs)      |  |
| Dimensions                         |  |
| Clamping range, min. /max. [Field] |  |
| Mounting rail                      |  |
| Width x height                     |  |
| Note                               |  |

|                                                               |  |
|---------------------------------------------------------------|--|
| RJ45 plug-in connectors                                       |  |
| LM2N 3.5mm                                                    |  |
| 50 V                                                          |  |
| 1 A                                                           |  |
| 0...+55°C                                                     |  |
| -40...+70 °C                                                  |  |
| CE; GOSTME25                                                  |  |
| < 50 V AC                                                     |  |
| III                                                           |  |
| 2                                                             |  |
| 0.8 kV                                                        |  |
| Screw connection                                              |  |
| 0.08 mm² / 2.08 mm²                                           |  |
| TS 35, TS 32                                                  |  |
| 70 mm / 48 mm                                                 |  |
| Connect shielding of data line to protective earth at one end |  |

|                                                               |  |
|---------------------------------------------------------------|--|
| 2 x RJ45 connector                                            |  |
| 2 x RJ45 plug-in connectors                                   |  |
| 50 V                                                          |  |
| 1 A                                                           |  |
| 0...+55°C                                                     |  |
| -40...+70 °C                                                  |  |
| CE; GOSTME25                                                  |  |
| < 50 V AC                                                     |  |
| III                                                           |  |
| 2                                                             |  |
| 0.8 kV                                                        |  |
| TS 35                                                         |  |
| 45 mm / 44.2 mm                                               |  |
| Connect shielding of data line to protective earth at one end |  |

Ordering data

| Type    | Length | Order No.  |
|---------|--------|------------|
| RS RJ45 | 30 mm  | 8611320000 |

| Type    | Length | Order No.  |
|---------|--------|------------|
| RS RJ45 | 30 mm  | 8611320000 |

| Type         | Length  | Order No.  |
|--------------|---------|------------|
| RS RJ45 2WAY | 46.8 mm | 8555440000 |

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| Note |
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Accessories

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| Note |
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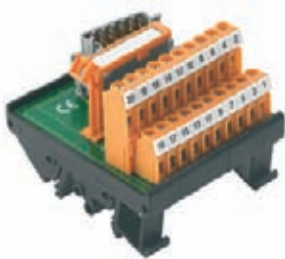


RS ELCO - Interface with ELCO plug-in connectors

RS ELCO - Interface  
with ELCO plug-in connectors

- Passive interfaces for transmitting signals from a plug-in ELCO connector to a screw or tension clamp connection.
- Family of 20, 38, 56 to 90-pole male plug-in connectors
  - Polarisation of the connector to prevent errors in connection (position 1)
  - High resistance to vibration and low contact resistance

RS ELCO S



RS ELCO Z



Technical data

| Rated data                        |
|-----------------------------------|
| Rated voltage                     |
| Rated current per connection      |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Pulse voltage test (1,2/50µs)     |

|                     |
|---------------------|
| 150 V AC / 200 V DC |
| 1.5 A               |
| -25...+50°C         |
| -40...+60 °C        |
| CE                  |
| < 150 V AC          |
| II                  |
| 2                   |
| 2.5 kV              |

|                     |
|---------------------|
| 150 V AC / 200 V DC |
| 1.5 A               |
| -25...+50°C         |
| -40...+60 °C        |
| CE                  |
| < 150 V AC          |
| II                  |
| 2                   |
| 2.5 kV              |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. / max. [Field] |
| Mounting rail                       |
| Width x height                      |
| Note                                |

| Screw connection                         |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| TS 32, TS 35                             |
| 70 mm / 60 mm                            |
| Polarizer in position 1                  |

| Tension clamp connection                   |
|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| TS 32, TS 35                               |
| 70 mm / 60 mm                              |
| Polarizer in position 1                    |

Ordering data

|             |         |
|-------------|---------|
|             | 20-pole |
|             | 20-pole |
|             | 38-pole |
|             | 38-pole |
|             | 56-pole |
|             | 56-pole |
|             | 56-pole |
|             | 56-pole |
|             | 56-pole |
|             | 90-pole |
|             | 90-pole |
| <b>Note</b> |         |

| Type              | Length | Order No.  |
|-------------------|--------|------------|
| RS ELCO 20/20RM S | 60 mm  | 1126610000 |
| RS ELCO 20/20LM S | 60 mm  | 1126630000 |
| RS ELCO 38/38RM S | 105 mm | 1126650000 |
| RS ELCO 38/38LM S | 105 mm | 1126670000 |
| RS ELCO 56/32RM S | 95 mm  | 1126690000 |
| RS ELCO 56/32LM S | 95 mm  | 1126710000 |
| RS ELCO 56/54RM S | 155 mm | 1126730000 |
| RS ELCO 56/54LM S | 155 mm | 1126750000 |
| RS ELCO 56/56RM S | 155 mm | 1126770000 |
| RS ELCO 56/56LM S | 155 mm | 1126790000 |
|                   |        |            |
|                   |        |            |
|                   |        |            |

| Type              | Length | Order No.  |
|-------------------|--------|------------|
| RS ELCO 20/20RM Z | 60 mm  | 1126620000 |
| RS ELCO 20/20LM Z | 60 mm  | 1126640000 |
| RS ELCO 38/38RM Z | 105 mm | 1126660000 |
| RS ELCO 38/38LM Z | 105 mm | 1126680000 |
| RS ELCO 56/32RM Z | 95 mm  | 1126700000 |
| RS ELCO 56/32LM Z | 95 mm  | 1126720000 |
| RS ELCO 56/54RM Z | 155 mm | 1126740000 |
| RS ELCO 56/54LM Z | 155 mm | 1126760000 |
| RS ELCO 56/56RM Z | 155 mm | 1126780000 |
| RS ELCO 56/56LM Z | 155 mm | 1126800000 |
|                   |        |            |
|                   |        |            |
|                   |        |            |

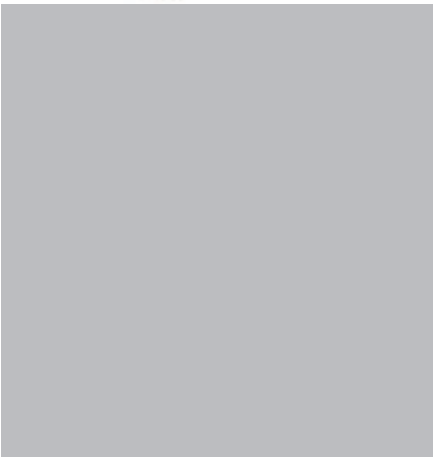
Accessories

| Note |
|------|
|------|

|                                                                  |
|------------------------------------------------------------------|
| Refer to the "Universal cables PAC-ELCO" section in this chapter |
|------------------------------------------------------------------|

|                                                                  |
|------------------------------------------------------------------|
| Refer to the "Universal cables PAC-ELCO" section in this chapter |
|------------------------------------------------------------------|

RS ELCO 90/90 S



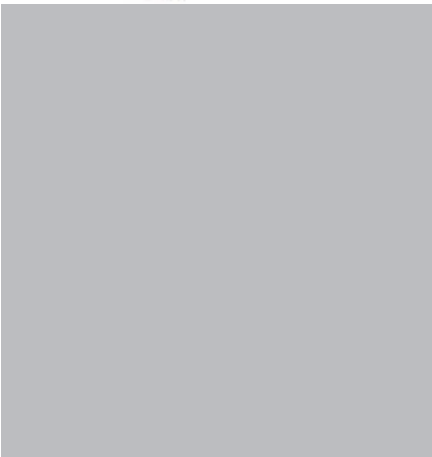
|                     |
|---------------------|
| 150 V AC / 200 V DC |
| 0.5 A               |
| -25...+50°C         |
| -40...+60 °C        |
| CE                  |
| < 150 V AC          |
| II                  |
| 2                   |
| 2.5 kV              |

|                         |
|-------------------------|
| <b>Screw connection</b> |
| 0.13 mm² / 6 mm²        |
| TS 32, TS 35            |
| 109 mm / 76 mm          |
| Polarizer in position 1 |

| Type              | Length | Order No.  |
|-------------------|--------|------------|
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
| RS ELCO 90/90RM S | 242 mm | 1126810000 |
| RS ELCO 90/90LM S | 242 mm | 1126870000 |

Refer to the "Universal cables PAC-ELCO" section in this chapter

RS ELCO 90/90 Z



|                     |
|---------------------|
| 150 V AC / 200 V DC |
| 0.5 A               |
| -25...+50°C         |
| -40...+60 °C        |
| CE                  |
| < 150 V AC          |
| II                  |
| 2                   |
| 2.5 kV              |

|                                 |
|---------------------------------|
| <b>Tension clamp connection</b> |
| 0.13 mm² / 2.5 mm²              |
| TS 32, TS 35                    |
| 109 mm / 76 mm                  |
| Polarizer in position 1         |

| Type              | Length | Order No.  |
|-------------------|--------|------------|
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
|                   |        |            |
| RS ELCO 90/90RM Z | 242 mm | 1126820000 |
| RS ELCO 90/90LM Z | 242 mm | 1126880000 |

Refer to the "Universal cables PAC-ELCO" section in this chapter

RS ELCO

Pin assignement

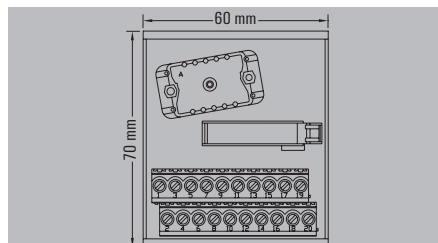
| ELCO connector<br>20-pole | RS ELCO 20/20RM S/Z<br>RS ELCO 20/20LM S/Z |
|---------------------------|--------------------------------------------|
| A                         | 1                                          |
| B                         | 2                                          |
| C                         | 3                                          |
| D                         | 4                                          |
| E                         | 5                                          |
| F                         | 6                                          |
| H                         | 7                                          |
| J                         | 8                                          |
| K                         | 9                                          |
| L                         | 10                                         |
| M                         | 11                                         |
| N                         | 12                                         |
| P                         | 13                                         |
| R                         | 14                                         |
| S                         | 15                                         |
| T                         | 16                                         |
| U                         | 17                                         |
| V                         | 18                                         |
| W                         | 19                                         |
| X                         | 20                                         |
| Note                      |                                            |

| ELCO connector<br>38-pole | RS ELCO 38/38RM S/Z<br>RS ELCO 38/38LM S/Z |
|---------------------------|--------------------------------------------|
| A                         | 1                                          |
| B                         | 2                                          |
| C                         | 3                                          |
| D                         | 4                                          |
| E                         | 5                                          |
| F                         | 6                                          |
| H                         | 7                                          |
| J                         | 8                                          |
| K                         | 9                                          |
| L                         | 10                                         |
| M                         | 11                                         |
| N                         | 12                                         |
| P                         | 13                                         |
| R                         | 14                                         |
| S                         | 15                                         |
| T                         | 16                                         |
| U                         | 17                                         |
| V                         | 18                                         |
| W                         | 19                                         |
| X                         | 20                                         |
| Y                         | 21                                         |
| Z                         | 22                                         |
| AA                        | 23                                         |
| BB                        | 24                                         |
| CC                        | 25                                         |
| DD                        | 26                                         |
| EE                        | 27                                         |
| FF                        | 28                                         |
| HH                        | 29                                         |
| JJ                        | 30                                         |
| KK                        | 31                                         |
| LL                        | 32                                         |
| MM                        | 33                                         |
| NN                        | 34                                         |
| PP                        | 35                                         |
| RR                        | 36                                         |
| SS                        | 37                                         |
| TT                        | 38                                         |
| Note                      |                                            |

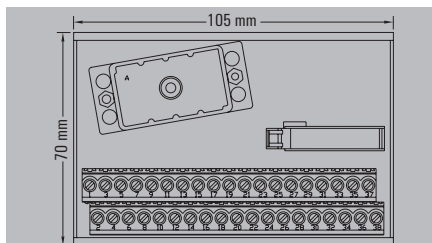
| ELCO connector<br>56-pole | RS ELCO 56/32RM S/Z<br>RS ELCO 56/32LM S/Z | RS ELCO 56/54RM S/Z<br>RS ELCO 56/54LM S/Z | RS ELCO 56/56RM S/Z<br>RS ELCO 56/56LM S/Z |
|---------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| A                         | 1                                          | 1                                          | 1                                          |
| B                         | 2                                          | 2                                          | 2                                          |
| C                         | 3                                          | 3                                          | 3                                          |
| D                         | 4                                          | 4                                          | 4                                          |
| E                         | 5                                          | 5                                          | 5                                          |
| F                         | 6                                          | 6                                          | 6                                          |
| H                         | 7                                          | 7                                          | 7                                          |
| J                         | 8                                          | 8                                          | 8                                          |
| K                         | 9                                          | 9                                          | 9                                          |
| L                         | 10                                         | 10                                         | 10                                         |
| M                         | 11                                         | 11                                         | 11                                         |
| N                         | 12                                         | 12                                         | 12                                         |
| P                         | 13                                         | 13                                         | 13                                         |
| R                         | 14                                         | 14                                         | 14                                         |
| S                         | 15                                         | 15                                         | 15                                         |
| T                         | 16                                         | 16                                         | 16                                         |
| U                         | 17                                         | 17                                         | 17                                         |
| V                         | 18                                         | 18                                         | 18                                         |
| W                         | 19                                         | 19                                         | 19                                         |
| X                         | 20                                         | 20                                         | 20                                         |
| Y                         | Y                                          | Y Y                                        | 21                                         |
| Z                         | 21                                         | -                                          | 22                                         |
| a                         | 22                                         | 21                                         | 23                                         |
| b                         | 23                                         | 22                                         | 24                                         |
| c                         | 24                                         | 23                                         | 25                                         |
| d                         | 25                                         | 24                                         | 26                                         |
| e                         | 26                                         | 25                                         | 27                                         |
| f                         | 27                                         | 26                                         | 28                                         |
| h                         | 28                                         | 27                                         | 29                                         |
| j                         | 29                                         | 28                                         | 30                                         |
| k                         | 30                                         | 29                                         | 31                                         |
| l                         | 31                                         | 30                                         | 32                                         |
| m                         | 32                                         | 31                                         | 33                                         |
| n                         | -                                          | 32                                         | 34                                         |
| p                         | -                                          | 33                                         | 35                                         |
| r                         | -                                          | 34                                         | 36                                         |
| s                         | -                                          | 35                                         | 37                                         |
| t                         | -                                          | 36                                         | 38                                         |
| u                         | -                                          | 37                                         | 39                                         |
| v                         | -                                          | 38                                         | 40                                         |
| w                         | -                                          | 39                                         | 41                                         |
| x                         | -                                          | 40                                         | 42                                         |
| y                         | -                                          | 41                                         | 43                                         |
| z                         | -                                          | 42                                         | 44                                         |
| AA                        | -                                          | 43                                         | 45                                         |
| BB                        | -                                          | 44                                         | 46                                         |
| CC                        | -                                          | 45                                         | 47                                         |
| DD                        | -                                          | 46                                         | 48                                         |
| EE                        | -                                          | 47                                         | 49                                         |
| FF                        | -                                          | 48                                         | 50                                         |
| HH                        | -                                          | 49                                         | 51                                         |
| JJ                        | -                                          | 50                                         | 52                                         |
| KK                        | -                                          | 51                                         | 53                                         |
| LL                        | -                                          | 52                                         | 54                                         |
| MM                        | -                                          | 53                                         | 55                                         |
| NN                        | Y                                          | 54                                         | 56                                         |
| Note                      |                                            |                                            |                                            |

| ELCO connector<br>90-pole | RS ELCO 90/90RM S/Z<br>RS ELCO 90/90LM S/Z |
|---------------------------|--------------------------------------------|
| A                         | 1                                          |
| B                         | 2                                          |
| C                         | 3                                          |
| D                         | 4                                          |
| E                         | 5                                          |
| F                         | 6                                          |
| H                         | 7                                          |
| J                         | 8                                          |
| K                         | 9                                          |
| L                         | 10                                         |
| M                         | 11                                         |
| N                         | 12                                         |
| P                         | 13                                         |
| R                         | 14                                         |
| S                         | 15                                         |
| T                         | 16                                         |
| U                         | 17                                         |
| V                         | 18                                         |
| W                         | 19                                         |
| X                         | 20                                         |
| Y                         | 21                                         |
| Z                         | 22                                         |
| AA                        | 23                                         |
| AB                        | 24                                         |
| AC                        | 25                                         |
| AD                        | 26                                         |
| AE                        | 27                                         |
| AF                        | 28                                         |
| AH                        | 29                                         |
| AJ                        | 30                                         |
| AK                        | 31                                         |
| AL                        | 32                                         |
| AM                        | 33                                         |
| AN                        | 34                                         |
| AP                        | 35                                         |
| AR                        | 36                                         |
| AS                        | 37                                         |
| AT                        | 38                                         |
| AU                        | 39                                         |
| AV                        | 40                                         |
| AW                        | 41                                         |
| AX                        | 42                                         |
| AY                        | 43                                         |
| AZ                        | 44                                         |
| BA                        | 45                                         |
| BB                        | 46                                         |
| BC                        | 47                                         |
| BD                        | 48                                         |
| BE                        | 49                                         |
| BF                        | 50                                         |
| BH                        | 51                                         |
| BJ                        | 52                                         |
| BK                        | 53                                         |
| BL                        | 54                                         |
| BM                        | 55                                         |
| BN                        | 56                                         |
| BP                        | 57                                         |
| BR                        | 58                                         |
| BS                        | 59                                         |
| BT                        | 60                                         |
| BU                        | 61                                         |
| BV                        | 62                                         |
| BW                        | 63                                         |
| BX                        | 64                                         |
| BY                        | 65                                         |
| BZ                        | 66                                         |
| CA                        | 67                                         |
| CB                        | 68                                         |
| CC                        | 69                                         |
| CD                        | 70                                         |
| CE                        | 71                                         |
| CF                        | 72                                         |
| CH                        | 73                                         |
| CJ                        | 74                                         |
| CK                        | 75                                         |
| CL                        | 76                                         |
| CM                        | 77                                         |
| CN                        | 78                                         |
| CP                        | 79                                         |
| CR                        | 80                                         |
| CS                        | 81                                         |
| CT                        | 82                                         |
| CU                        | 83                                         |
| CV                        | 84                                         |
| CW                        | 85                                         |
| CX                        | 86                                         |
| CY                        | 87                                         |
| CZ                        | 88                                         |
| DA                        | 89                                         |
| DB                        | 90                                         |
| Note                      |                                            |

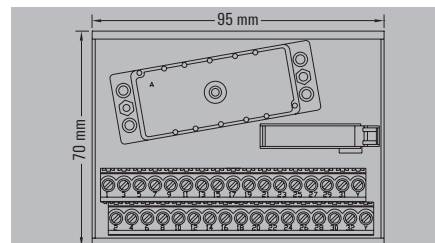
## RS ELCO Dimensional Drawings



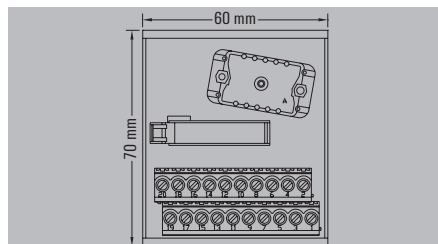
ELCO 20/20L LEFT



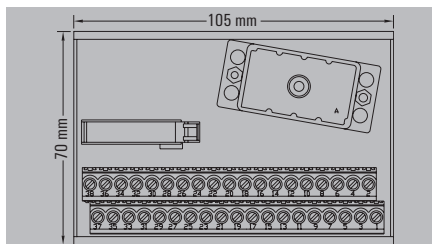
ELCO 38/38L LEFT



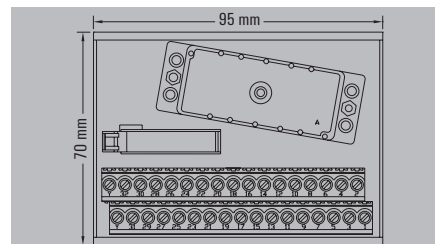
ELCO 56/32L LEFT



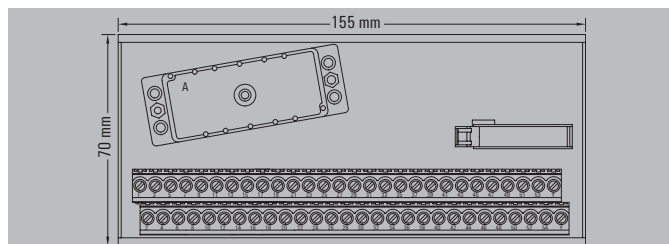
ELCO 20/20R RIGHT



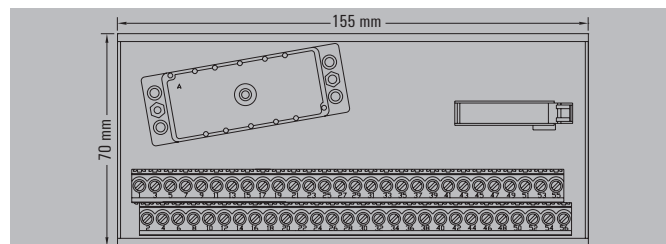
ELCO 38/38R RIGHT



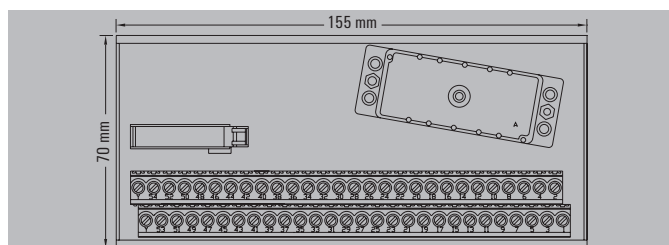
ELCO 56/32R RIGHT



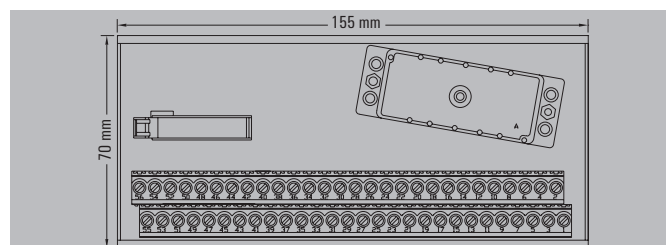
ELCO 56/54L LEFT



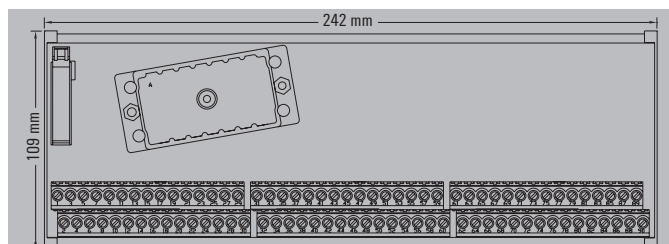
ELCO 56/56L LEFT



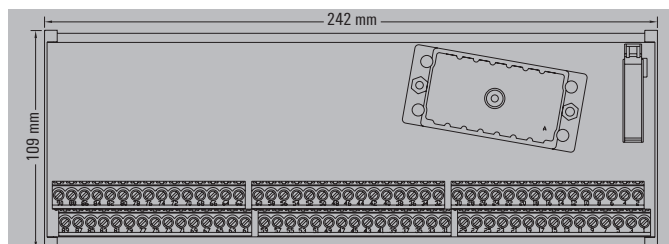
ELCO 56/54R RIGHT



ELCO 56/56R RIGHT



ELCO 90/90L LEFT



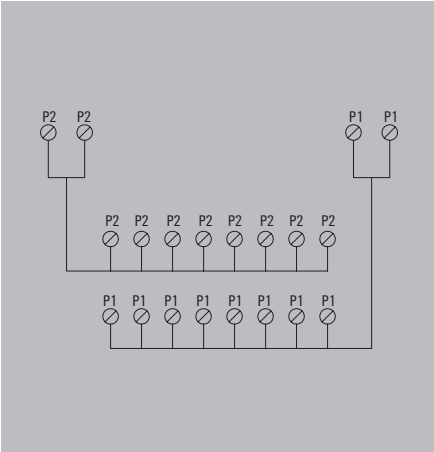
ELCO 90/90R RIGHT

RS VERT - Supply voltage distributor modules

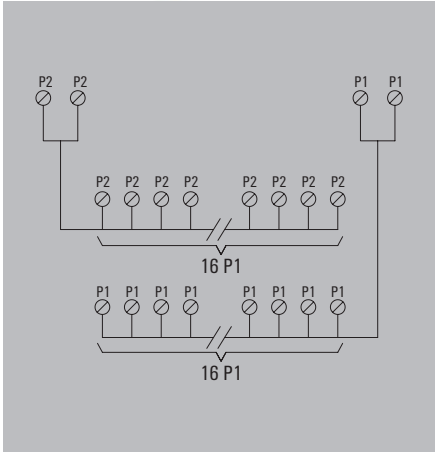
RS VERT - 2 potentials

- Distribution module with 2, 3, 4 or 6 potentials
- Distribution current from 10 to 120 A
- Screw or tension clamp connection

RS VERT 2P/ 8P1-8P2 S



RS VERT 2P/ 16P1-16P2 S



Technical data

| Rated data                             |
|----------------------------------------|
| Operating voltage                      |
| Max. current per distribution terminal |
| Max. current per voltage potential     |
| Total operating current                |
| General data                           |
| Ambient temperature (operational)      |
| Storage temperature                    |
| Approvals                              |
| Insulation coordination (EN50178)      |
| Rated insulation voltage               |
| Surge voltage category                 |
| Pollution severity level               |
| Pulse voltage test (1,2/50µs)          |

|              |
|--------------|
| max. 30 V    |
| 5 A          |
| 5 A          |
| 10 A         |
| 0...+55°C    |
| -40...+60 °C |
| CE; GOSTME25 |
| < 50 V AC    |
| III          |
| 2            |
| 0.8 kV       |

|              |
|--------------|
| max. 30 V    |
| 5 A          |
| 5 A          |
| 10 A         |
| 0...+55°C    |
| -40...+60 °C |
| CE; GOSTME25 |
| < 50 V AC    |
| III          |
| 2            |
| 0.8 kV       |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. /max. [Field]  |
| Clamping range, min. /max. [supply] |
| Mounting rail                       |
| Length x width                      |
| Note                                |

| Screw connection                                                                                    |
|-----------------------------------------------------------------------------------------------------|
| 0.15 mm² / 1.5 mm²                                                                                  |
| 0.15 mm² / 1.5 mm²                                                                                  |
| TS 35                                                                                               |
| 51.5 mm / 45 mm                                                                                     |
| The module may be used for a nominal voltage of 250 V AC, considering an overvoltage category of II |

| Screw connection                                                                                    |
|-----------------------------------------------------------------------------------------------------|
| 0.15 mm² / 1.5 mm²                                                                                  |
| 0.15 mm² / 1.5 mm²                                                                                  |
| TS 35                                                                                               |
| 92.5 mm / 45 mm                                                                                     |
| The module may be used for a nominal voltage of 250 V AC, considering an overvoltage category of II |

Ordering data

|                  |
|------------------|
| Screw connection |
|------------------|

| Type          | Height | Order No.  |
|---------------|--------|------------|
| RS VERT8 LPK2 | 64 mm  | 8252010000 |

| Type           | Height | Order No.  |
|----------------|--------|------------|
| RS VERT16 LPK2 | 64 mm  | 8234620000 |

| Note |
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| Accessories |
|-------------|
| Note        |

| Note |
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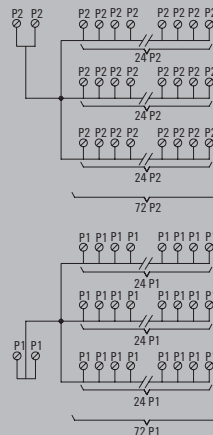
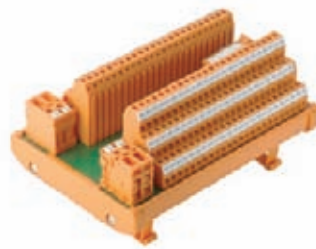
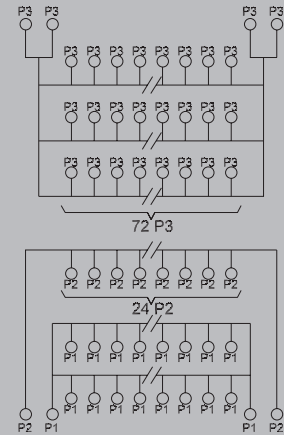
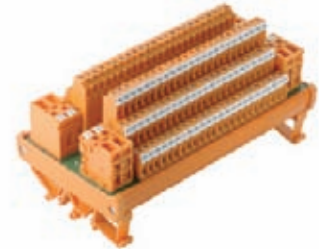
| Accessories |
|-------------|
| Note        |

| Note |
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| Accessories |
|-------------|
| Note        |

**RS VERT - 2 and 3 potentials**

- Distribution module with 2, 3, 4 or 6 potentials
- Distribution current from 10 to 120 A
- Screw or tension clamp connection

**RS VERT 2P/ 72P1-72P2 S****RS VERT 3P/ 48P1-24P2-72P3 S/Z****Technical data**

| Rated data                             |                                            |
|----------------------------------------|--------------------------------------------|
| Operating voltage                      | ≤ 250 V DC ≤ 250 V AC                      |
| Max. current per distribution terminal | 10 A                                       |
| Max. current per voltage potential     | 10 A                                       |
| Total operating current                | 20 A                                       |
| General data                           |                                            |
| Ambient temperature (operational)      | 0...+55°C                                  |
| Storage temperature                    | -40...+60 °C                               |
| Approvals                              | CE; GOSTME25                               |
| Insulation coordination (EN50178)      |                                            |
| Rated insulation voltage               | < 300 V AC                                 |
| Surge voltage category                 | III                                        |
| Pollution severity level               | 2                                          |
| Pulse voltage test (1,2/50µs)          | 4 kV                                       |
| Dimensions                             |                                            |
| Clamping range, min. / max. [Field]    | 0.15 mm <sup>2</sup> / 1.5 mm <sup>2</sup> |
| Clamping range, min. / max. [supply]   | 0.15 mm <sup>2</sup> / 6 mm <sup>2</sup>   |
| Mounting rail                          | TS 32, TS 35                               |
| Length x width                         | 160 mm / 109 mm                            |
| Note                                   |                                            |

**Ordering data**

| Type             | Height | Order No.  |
|------------------|--------|------------|
| RS LPK3/144 VERT | 68 mm  | 8199510000 |

Screw connection  
Tension clamp connection

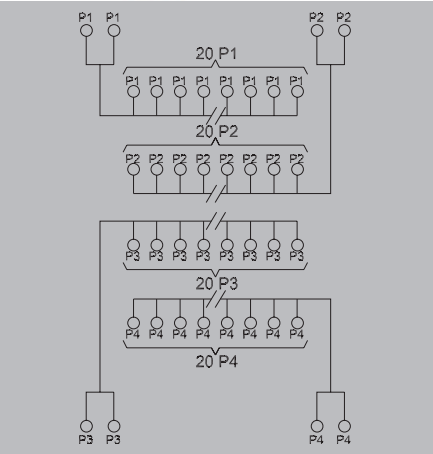
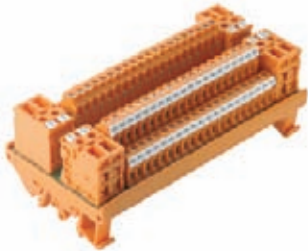
**Note****Accessories****Note**

# RS VERT - Supply voltage distributor modules

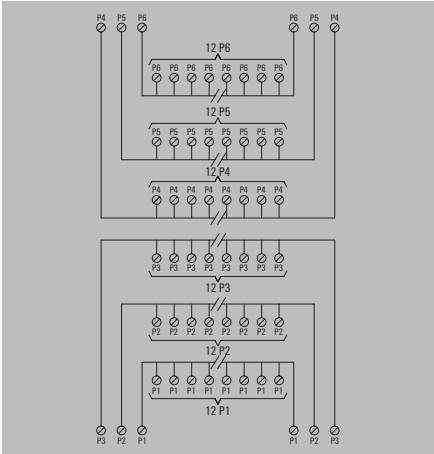
## RS VERT - 4 and 6 potentials

- Distribution module with 2, 3, 4 or 6 potentials
- Distribution current from 10 to 120 A
- Screw or tension clamp connection

## RS VERT 4P/4X20P S/Z



## RS VERT 6P/6X12P S/Z



### Technical data

| Rated data                             |              |
|----------------------------------------|--------------|
| Operating voltage                      | < 600 V AC   |
| Max. current per distribution terminal | 15 A         |
| Max. current per voltage potential     | 30 A         |
| Total operating current                | 120 A        |
| General data                           |              |
| Ambient temperature (operational)      | -25...+50 °C |
| Storage temperature                    | -40...+60 °C |
| Approvals                              | CE; ROHS     |
| Insulation coordination (EN50178)      |              |
| Rated insulation voltage               | < 600 V AC   |
| Surge voltage category                 | III          |
| Pollution severity level               | 2            |
| Pulse voltage test (1,2/50µs)          | 6 kV         |

| Dimensions                           |                                          |
|--------------------------------------|------------------------------------------|
| Clamping range, min. / max. [Field]  | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Clamping range, min. / max. [supply] | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                        | TS 32, TS 35                             |
| Length x width                       | 145 mm / 70 mm                           |
| Note                                 |                                          |

### Ordering data

|                          |                   |
|--------------------------|-------------------|
| Screw connection         | RS VERT 4P 20X4 S |
| Tension clamp connection | RS VERT 4P 20X4 Z |

| Rated data                             |              |
|----------------------------------------|--------------|
| Operating voltage                      | < 600 V AC   |
| Max. current per distribution terminal | 15 A         |
| Max. current per voltage potential     | 30 A         |
| Total operating current                | 120 A        |
| General data                           |              |
| Ambient temperature (operational)      | -25...+50 °C |
| Storage temperature                    | -40...+60 °C |
| Approvals                              | CE; ROHS     |
| Insulation coordination (EN50178)      |              |
| Rated insulation voltage               | < 600 V AC   |
| Surge voltage category                 | III          |
| Pollution severity level               | 2            |
| Pulse voltage test (1,2/50µs)          | 6 kV         |

| Screw connection                         | Tension clamp connection                   |
|------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>   |
| TS 32, TS 35                             | TS 32, TS 35                               |
| 145 mm / 70 mm                           | 145 mm / 70 mm                             |

| Type              | Height | Order No.  |
|-------------------|--------|------------|
| RS VERT 4P 20X4 S | 55 mm  | 1128100000 |
| RS VERT 4P 20X4 Z | 52 mm  | 1128110000 |

| Rated data                             |              |
|----------------------------------------|--------------|
| Operating voltage                      | 250 V AC     |
| Max. current per distribution terminal | 15 A         |
| Max. current per voltage potential     | 20 A         |
| Total operating current                | 120 A        |
| General data                           |              |
| Ambient temperature (operational)      | -25...+50 °C |
| Storage temperature                    | -40...+60 °C |
| Approvals                              | CE; ROHS     |
| Insulation coordination (EN50178)      |              |
| Rated insulation voltage               | < 300 V AC   |
| Surge voltage category                 | III          |
| Pollution severity level               | 2            |
| Pulse voltage test (1,2/50µs)          | 4 kV         |

| Screw connection                         | Tension clamp connection                   |
|------------------------------------------|--------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 2.5 mm <sup>2</sup> |
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup>   |
| TS 32, TS 35                             | TS 32, TS 35                               |
| 122 mm / 87 mm                           | 122 mm / 87 mm                             |

| Type              | Height | Order No.  |
|-------------------|--------|------------|
| RS VERT 6P 12X6 S | 83 mm  | 1128120000 |
| RS VERT 6P 12X6 Z | 75 mm  | 1128130000 |

| Note |
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### Accessories

| Note |
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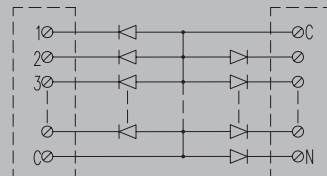
## RSD - interfaces with diodes

Diode bases for current peak protection, lamp tests or preventing reverse polarity.

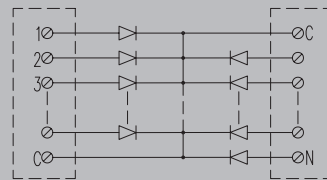
- Diode 1N4007
- Mounting on TS32/35

## RSD A / RSD K

Common anode or cathode



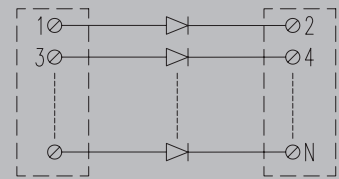
RSD A



RSD K

## RSD

Independent diodes



## Technical data

| Rated data                        |              |
|-----------------------------------|--------------|
| Operating voltage                 | 230 V        |
| Rated current per connection      | 1 A          |
| General data                      |              |
| Ambient temperature (operational) | 0...+55°C    |
| Storage temperature               | -40...+60 °C |
| Approvals                         | CE           |
| Insulation coordination (EN50178) |              |
| Rated insulation voltage          | 230 V        |
| Surge voltage category            | II           |
| Pollution severity level          | 2            |
| Pulse voltage test (1,2/50µs)     | 2 kV         |

| Rated data                        |              |
|-----------------------------------|--------------|
| Operating voltage                 | 230 V        |
| Rated current per connection      | 1 A          |
| General data                      |              |
| Ambient temperature (operational) | 0...+55°C    |
| Storage temperature               | -40...+60 °C |
| Approvals                         | CE           |
| Insulation coordination (EN50178) |              |
| Rated insulation voltage          | 230 V        |
| Surge voltage category            | II           |
| Pollution severity level          | 2            |
| Pulse voltage test (1,2/50µs)     | 2 kV         |

| Rated data                        |              |
|-----------------------------------|--------------|
| Operating voltage                 | 230 V        |
| Rated current per connection      | 1 A          |
| General data                      |              |
| Ambient temperature (operational) | 0...+55°C    |
| Storage temperature               | -40...+60 °C |
| Approvals                         | CE           |
| Insulation coordination (EN50178) |              |
| Rated insulation voltage          | 230 V        |
| Surge voltage category            | II           |
| Pollution severity level          | 2            |
| Pulse voltage test (1,2/50µs)     | 2 kV         |

## Dimensions

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Clamping range, min. / max. [Field] | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                       | TS 32, TS 35                             |
| Width x height                      | 70 mm / 42 mm                            |

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Clamping range, min. / max. [Field] | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                       | TS 32, TS 35                             |
| Width x height                      | 70 mm / 42 mm                            |

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Clamping range, min. / max. [Field] | 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| Mounting rail                       | TS 32, TS 35                             |
| Width x height                      | 70 mm / 42 mm                            |

## Note

## Ordering data

| Type                               | Length | Order No.  |
|------------------------------------|--------|------------|
| 10 independent diodes              | 60 mm  | 8022901001 |
| 12 independent diodes              | 65 mm  | 0181461001 |
| 20 independent diodes              | 120 mm | 8022911001 |
| 40 independent diodes              | 220 mm | 8022921001 |
| 5 A diodes (shared plus pole)      |        |            |
| 5 K diodes (shared negative pole)  |        |            |
| 10 A diodes (shared plus pole)     |        |            |
| 10 K diodes (shared negative pole) |        |            |
| 20 A diodes (shared plus pole)     |        |            |
| 20 K diodes (shared negative pole) |        |            |
| 22 A diodes (shared plus pole)     |        |            |

| Type          | Length | Order No.  |
|---------------|--------|------------|
| RSD A5 LP/LP  | 20 mm  | 1312740000 |
| RSD K5 LP/LP  | 20 mm  | 1312750000 |
| RSD A10 LP/LP | 35 mm  | 1312760000 |
| RSD K10 LP/LP | 35 mm  | 1312770000 |
| RSD A20 LP/LP | 60 mm  | 1312780000 |
| RSD K20 LP/LP | 60 mm  | 1312790000 |
| RSD A22 LP/LP | 65 mm  | 0180961001 |

| Type         | Length | Order No.  |
|--------------|--------|------------|
| RSD 10 LP/LP | 60 mm  | 8022901001 |
| RSD 12 LP/LP | 65 mm  | 0181461001 |
| RSD 20 LP/LP | 120 mm | 8022911001 |
| RSD 40 LP/LP | 220 mm | 8022921001 |

## Note

## Accessories

| Note |
|------|
|------|

| Note |
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| Note |
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|------|

PAC-UNIV - Pre-assembled cables for RSF and RSSD interfaces

PAC-UNIV - Pre-made cables  
for RSF and RSSD interfaces

Pre-built ribbon cable according to IEC-603/DIN 41651.

- Ribbon cable - ribbon cable
- Ribbon cable - wire-end ferrules

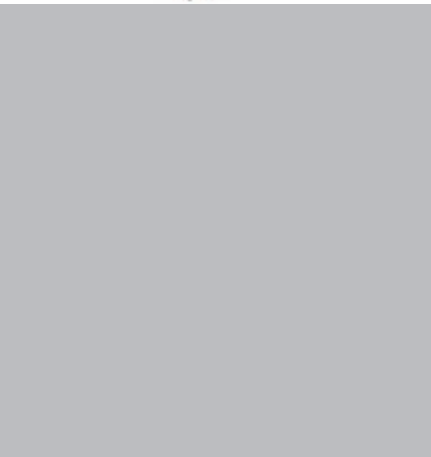
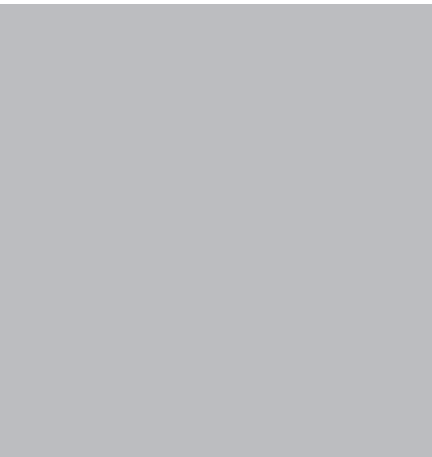
PAC-UNIV-HE-F

Ribbon cable to wire-end ferrules connector



PAC-UNIV-HE-HE

Ribbon cable to ribbon cable connector



Technical data

| Rated data                                  |
|---------------------------------------------|
| Operating voltage                           |
| Permissible current strength per path, max. |
| Total current, max.                         |
| Resistance                                  |
| Capacity wire / wires                       |
| Capacity wire / shield                      |
| Cable features                              |
| Cable                                       |
| Material                                    |
| Wire cross-section                          |
| General data                                |
| Ambient temperature (operational)           |
| Storage temperature                         |

| ≤ 60 V DC ≤ 25 V AC |
|---------------------|
| 1.00                |
| 3.00                |
| ≤ 150mΩ/m           |
| 300 pF/m            |
| 300 pF/m            |
| Cable features      |
| Cable LiYY          |
| PVC                 |
| 0.14 mm²            |
| General data        |
| -10...+50°C         |
| -10...+60 °C        |

| ≤ 60 V DC ≤ 25 V AC |
|---------------------|
| 1.00                |
| 3.00                |
| ≤ 150mΩ/m           |
| 300 pF/m            |
| 300 pF/m            |
| Cable features      |
| Cable LiYY          |
| PVC                 |
| 0.14 mm²            |
| General data        |
| -10...+50°C         |
| -10...+60 °C        |

Note

Ordering data

|                   |
|-------------------|
| 10-pole connector |
| 14-pole connector |
| 16-pole connector |
| 20-pole connector |
| 26-pole connector |
| 34-pole connector |
| 40-pole connector |
| 50-pole connector |

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| PAC-UNIV-HE10-F-1M |      | 1349730010 |
| PAC-UNIV-HE14-F-1M |      | 1349740010 |
| PAC-UNIV-HE16-F-1M |      | 1349770010 |
| PAC-UNIV-HE20-F-1M |      | 1349790010 |
| PAC-UNIV-HE26-F-1M |      | 1349820010 |
| PAC-UNIV-HE34-F-1M |      | 1349840010 |
| PAC-UNIV-HE40-F-1M |      | 1349880010 |
| PAC-UNIV-HE50-F-1M |      | 1349900010 |

| Type                  | Qty. | Order No.  |
|-----------------------|------|------------|
| PAC-UNIV-HE10-HE10-1M |      | 1349630010 |
| PAC-UNIV-HE14-HE14-1M |      | 1349640010 |
| PAC-UNIV-HE16-HE16-1M |      | 1349650010 |
| PAC-UNIV-HE20-HE20-1M |      | 1349670010 |
| PAC-UNIV-HE26-HE26-1M |      | 1349680010 |
| PAC-UNIV-HE34-HE34-1M |      | 1349690010 |
| PAC-UNIV-HE40-HE40-1M |      | 1349700010 |
| PAC-UNIV-HE50-HE50-1M |      | 1349720010 |

Note

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

Accessories

Note



## PAC-UNIV Universal sleeves

Pre-built sub-d cable according to IEC-807/DIN 41652.

- SUB-D to SUB-D connector
- SUB-D to wire-end ferrules
- Shielded cable

## PAC-UNIV-D-F

## SUB-D to wire-end ferrules



## PAC-UNIV-D-D

## SUB-D male-SUB-D male or female to female connector



## Technical data

## Rated data

Operating voltage  
Permissible current strength per path, max.  
Total current, max.  
Resistance  
Capacity wire / wires  
Capacity wire / shield

## Cable features

Cable  
Material  
Wire cross-section

## General data

Ambient temperature (operational)  
Storage temperature

≤ 60 V DC ≤ 25 V AC

1.00

3.00

≤ 80 mΩ/m

300 pF/m

300 pF/m

Cable LiYCY

PVC

0.25 mm<sup>2</sup>

-10...+50°C

-10...+60 °C

≤ 60 V DC ≤ 25 V AC

1.00

3.00

≤ 80 mΩ/m

300 pF/m

300 pF/m

Cable LiYCY

PVC

0.25 mm<sup>2</sup>

-10...+50°C

-10...+60 °C

## Note

## Ordering data

9-pole male connector  
15-pole male connector  
25-pole male connector  
37-pole male connector  
50-pole male header  
9-pole female connector  
15-pole female connector  
25-pole female connector  
37-pole female connector  
50-pole female connector

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| PAC-UNIV-D9M-F-1M  |      | 1350400010 |
| PAC-UNIV-D15M-F-1M |      | 1350420010 |
| PAC-UNIV-D25M-F-1M |      | 1350430010 |
| PAC-UNIV-D37M-F-1M |      | 1350440010 |
| PAC-UNIV-D50M-F-1M |      | 1350450010 |
| PAC-UNIV-D9F-F-1M  |      | 1350470010 |
| PAC-UNIV-D15F-F-1M |      | 1350480010 |
| PAC-UNIV-D25F-F-1M |      | 1350490010 |
| PAC-UNIV-D37F-F-1M |      | 1350500010 |
| PAC-UNIV-D50F-F-1M |      | 1350520010 |

| Type                  | Qty. | Order No.  |
|-----------------------|------|------------|
| PAC-UNIV-D9M-D9M-1M   |      | 1349750010 |
| PAC-UNIV-D15M-D15M-1M |      | 1349780010 |
| PAC-UNIV-D25M-D25M-1M |      | 1349800010 |
| PAC-UNIV-D37M-D37M-1M |      | 1349830010 |
| PAC-UNIV-D50M-D50M-1M |      | 1349850010 |
| PAC-UNIV-D9F-D9F-1M   |      | 1349870010 |
| PAC-UNIV-D15F-D15F-1M |      | 1349890010 |
| PAC-UNIV-D25F-D25F-1M |      | 1349920010 |
| PAC-UNIV-D37F-D37F-1M |      | 1349930010 |
| PAC-UNIV-D50F-D50F-1M |      | 1349940010 |

## Note

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

## Accessories

## Note

PAC-UNIV Universal sleeves

PAC-UNIV Universal sleeves

Pre-built sub-d cable according to IEC-807/DIN 41652.

- SUB-D to SUB-D connector
- SUB-D to wire-end ferrules
- Shielded cable

PAC-UNIV-D-D

SUB-D male-female connector



Technical data

| Rated data                                  |
|---------------------------------------------|
| Operating voltage                           |
| Permissible current strength per path, max. |
| Total current, max.                         |
| Resistance                                  |
| Capacity wire / wires                       |
| Capacity wire / shield                      |
| Cable features                              |
| Cable                                       |
| Material                                    |
| Wire cross-section                          |
| General data                                |
| Ambient temperature (operational)           |
| Storage temperature                         |

|                     |
|---------------------|
| ≤ 60 V DC ≤ 25 V AC |
| 1.00                |
| 3.00                |
| ≤ 80 mΩ/m           |
| 300 pF/m            |
| 300 pF/m            |
| Cable LiYCY         |
| PVC                 |
| 0.25 mm²            |
| -10...+50 °C        |
| -10...+60 °C        |

| Note |
|------|
|------|

Ordering data

|                        |
|------------------------|
| 9-pole male connector  |
| 15-pole male connector |
| 25-pole male connector |
| 37-pole male connector |
| 50-pole male connector |

| Type                  | Qty. | Order No.  |
|-----------------------|------|------------|
| PAC-UNIV-D9M-D9F-1M   | 1    | 1349950010 |
| PAC-UNIV-D15M-D15F-1M |      | 1349970010 |
| PAC-UNIV-D25M-D25F-1M |      | 1349980010 |
| PAC-UNIV-D37M-D37F-1M |      | 1349990010 |
| PAC-UNIV-D50M-D50F-1M |      | 1350000010 |

| Note |
|------|
|------|

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long. |
|------------------------------------------------------------------------------------------------------------------------------|

Accessories

| Note |
|------|
|------|

| Note |
|------|
|------|

## PAC-ELCO Pre-made cables for RS ELCO interfaces

### PAC-ELCO



#### Technical data

| Rated data                                  |                      |
|---------------------------------------------|----------------------|
| Operating voltage                           | 250 V                |
| Permissible current strength per path, max. | 1.00                 |
| Total current, max.                         | 3.00                 |
| Resistance                                  | ≤ 80 mΩ/m            |
| Capacity wire / wires                       | 300 pF/m             |
| Capacity wire / shield                      | 300 pF/m             |
| Cable features                              |                      |
| Cable                                       | Cable LiCY           |
| Material                                    | PVC                  |
| Wire cross-section                          | 0.25 mm <sup>2</sup> |
| General data                                |                      |
| Ambient temperature (operational)           | -10...+50 °C         |
| Storage temperature                         | -10...+60 °C         |

#### Note

#### Ordering data

| Type                                                     | Qty. | Order No.  |
|----------------------------------------------------------|------|------------|
| 20-pole socket / 20-pole socket                          | 1    | 7789760010 |
| 20-pole socket / Ferrules                                | 1    | 7789761010 |
| 38-pole socket / 38-pole socket                          | 1    | 7789762010 |
| 38-pole socket / Ferrules                                | 1    | 7789763010 |
| 56-pole socket / 56-pole socket (32-pole connected only) | 1    | 7789773010 |
| 56-pole socket / Ferrules (32-pole connected only)       | 1    | 7789774010 |
| 56-pole socket / 56-pole socket (54-pole connected only) | 1    | 7789775010 |
| 56-pole socket / Ferrules (54-pole connected only)       | 1    | 7789776010 |
| 56-pole socket / 56-pole socket                          | 1    | 7789764010 |
| 56-pole socket / Ferrules                                | 1    | 7789765010 |

#### Note

The last 3 digits of the cable code indicate its length. For example, if the code ends in 100, the cable would be 10 m long.

#### Accessories

##### Note



# Card holders

|              |              |     |
|--------------|--------------|-----|
| Card holders | Introduction | D.2 |
|              | Card holders | D.4 |

## Card holders



Card holders are used for adapting Euro 19" format (100 x 160 mm) cards to plug-in connectors acc. to IEC 603/DIN 41612 and DIN 41617.

Cardholders can be used in industrial applications when:

- Adapting several 19" cards: As well as saving on the cost of a rack, accessibility is improved, because usually racks are only accessible from behind.
- The PCB card is in a remote position, making it difficult to install the cabling.
- It is necessary to extend legacy systems by adding more electronic modules.
- There are processes where quick replacement of the printed circuit and easy handling of connections is important.

Card holders have the following individual components:

- Snap-fit base and mechanism for securing the card
- Assembly plate and feet for direct assembly or for locking on DIN rails
- Printed circuit board where the following features can be identified:
  - o Plug-in connectors acc. IEC 603/DIN 41612 and DIN 41617
  - o Weidmüller terminals for screw connection





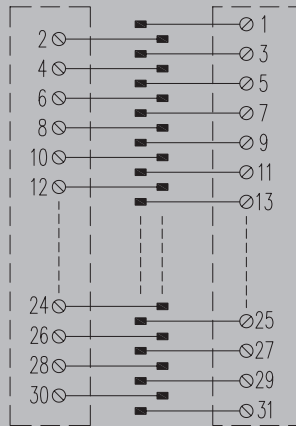
## Card holders

## SKH2 Card holders

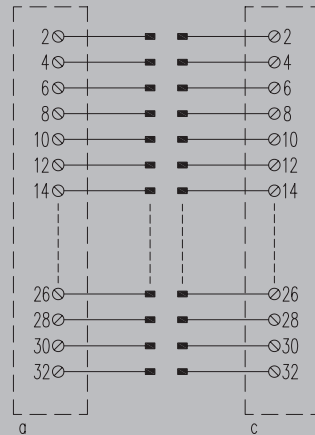
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

## SKH2 31



## SKH2 D32 LP



## Technical data

| Connection data                   |
|-----------------------------------|
| Connection on control side        |
| Type (control side)               |
| Number of poles (control side)    |
| Contact assembly                  |
| Design of the pluggable board     |
| Rated data                        |
| Rated voltage                     |
| Rated current per connection      |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Pulse voltage test (1,2/50µs)     |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41617 female |
| 31-pole female                              |
| a and b                                     |
| 100x160 mm euro format for 19" racks        |
| 125 V AC / 150 V DC                         |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| < 150 V AC                                  |
| II                                          |
| 2                                           |
| 1.5 kV                                      |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 32D                                         |
| 32-pole female                              |
| a and c                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. / max. [Field] |
| Length x width x height             |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 60.7 mm / 160 mm / 192.5 mm              |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 55 mm / 160 mm / 192.5 mm                |

| Note |
|------|
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| Note |
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| Note |
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|------|

## Ordering data

| Type       |
|------------|
| SKH2 31 LP |

| Order No.  |
|------------|
| 8174800000 |

| Type        |
|-------------|
| SKH2 D32 LP |

| Order No.  |
|------------|
| 8174830000 |

| Note |
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| Note |
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| Note |
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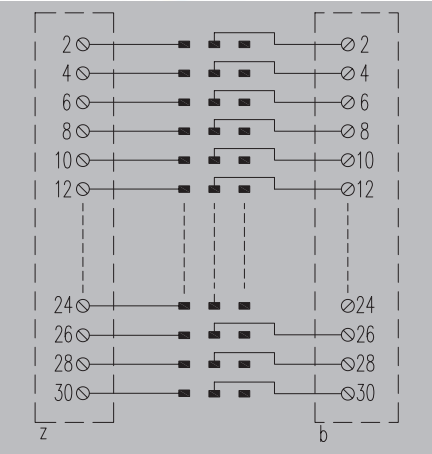
## Accessories

| Note |
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|                                       |
|---------------------------------------|
| Kit for connection to TS35 8209340000 |
|---------------------------------------|

|                                       |
|---------------------------------------|
| Kit for connection to TS35 8209340000 |
|---------------------------------------|

SKH2 F32 Z+B



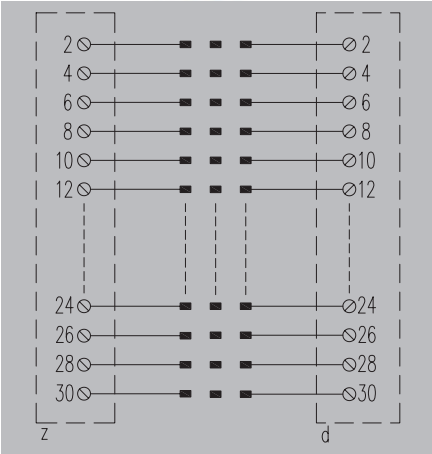
|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 32F                                         |
| 32-pole female                              |
| z and b                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

|                             |
|-----------------------------|
| 0.13 mm² / 6 mm²            |
| 80.7 mm / 160 mm / 192.5 mm |

|                    |            |
|--------------------|------------|
| Type               | Order No.  |
| SKH2 F32 (Z+B) LPP | 8174850000 |

Kit for connection to TS35 8209340000

SKH2 F32 Z+D



|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 32F                                         |
| 32-pole female                              |
| z and d                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

|                             |
|-----------------------------|
| 0.13 mm² / 6 mm²            |
| 80.7 mm / 160 mm / 192.5 mm |

|                   |            |
|-------------------|------------|
| Type              | Order No.  |
| SKH2 F32 (Z+D) LP | 8174860000 |

Kit for connection to TS35 8209340000

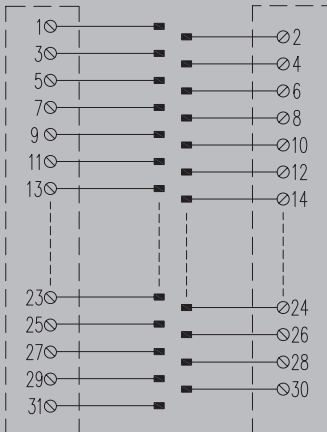
## Card holders

## SKH

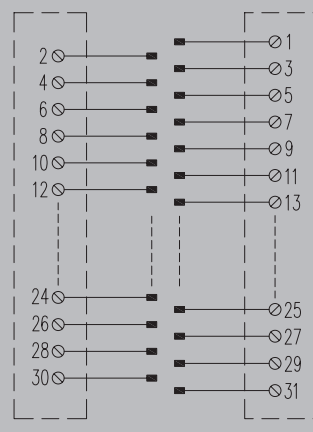
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

## SKH31



## SKH31 250VAC



## Technical data

| Connection data                   |
|-----------------------------------|
| Connection on control side        |
| Type (control side)               |
| Number of poles (control side)    |
| Contact assembly                  |
| Design of the pluggable board     |
| Rated data                        |
| Rated voltage                     |
| Rated current per connection      |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Pulse voltage test (1,2/50µs)     |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41617 female |
| 31-pole female                              |
| a and b                                     |
| 100x160 mm euro format for 19" racks        |
| 125 V AC / 150 V DC                         |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| < 150 V AC                                  |
| II                                          |
| 2                                           |
| 1.5 kV                                      |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41617 female |
| 31-pole female                              |
| a and b                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. / max. [Field] |
| Length x width x height             |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 47.5 mm / 131 mm / 144 mm                |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 47.5 mm / 131 mm / 144 mm                |

| Note |
|------|
|------|

| Note |
|------|
|------|

| Note |
|------|
|------|

## Ordering data

|                     |
|---------------------|
| 1 clamping bracket  |
| 2 clamping brackets |

| Type          | Order No.  |
|---------------|------------|
| SKH 31 LP RH1 | 0586661001 |

| Type                 | Order No.  |
|----------------------|------------|
| SKH 31 LP 250VAC RH1 | 0648661001 |

| Note |
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| Note |
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| Note |
|------|
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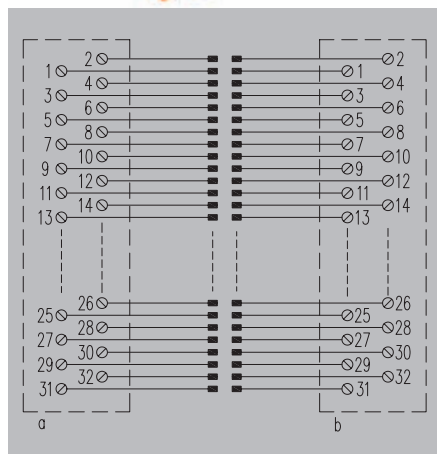
## Accessories

| Note |
|------|
|------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000 |
|------------------------------------------------------------------------------------------------------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000 |
|------------------------------------------------------------------------------------------------------|

## SKH B64



Plug-in connector, acc. to DIN 41612 female

B64

64-pole female

a and b

100x160 mm euro format for 19" racks

125 V AC / 150 V DC

1 A

0...+55°C

-40...+60 °C

CE; GOSTME25

&lt; 150 V AC

II

2

1.5 kV

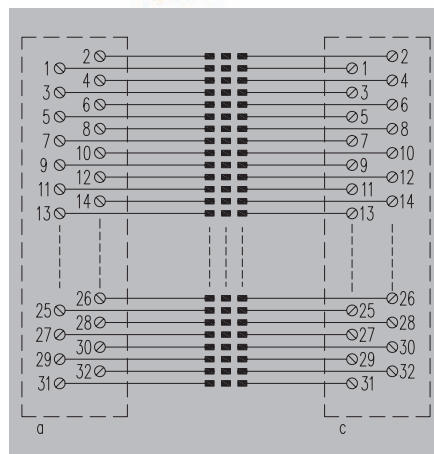
0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

76 mm / 131 mm / 144 mm

| Type        | Order No.  |
|-------------|------------|
| SKH B64 RH2 | 0577360000 |

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

## SKH C64



Plug-in connector, acc. to DIN 41612 female

C64

64-pole female

a and c

100x160 mm euro format for 19" racks

125 V AC / 150 V DC

1 A

0...+55°C

-40...+60 °C

CE; GOSTME25

&lt; 150 V AC

II

2

1.5 kV

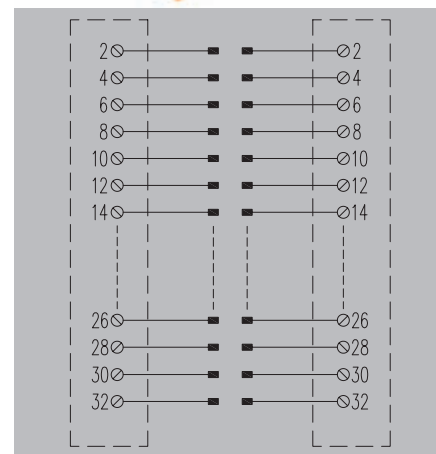
0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

76 mm / 131 mm / 144 mm

| Type        | Order No.  |
|-------------|------------|
| SKH C64 RH2 | 0646660000 |
| SKH C64 RH2 | 0178960000 |

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

## SKH D32



Plug-in connector, acc. to DIN 41612 female

D32

32-pole female

a and c

100x160 mm euro format for 19" racks

250 V UC

4 A

0...+55°C

-40...+60 °C

CE; GOSTME25

250 V

II

2

2.1 kV

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

50.8 mm / 131 mm / 144 mm

| Type                | Order No.  |
|---------------------|------------|
| SKH D32 LP 5/16 RH2 | 0586761001 |

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

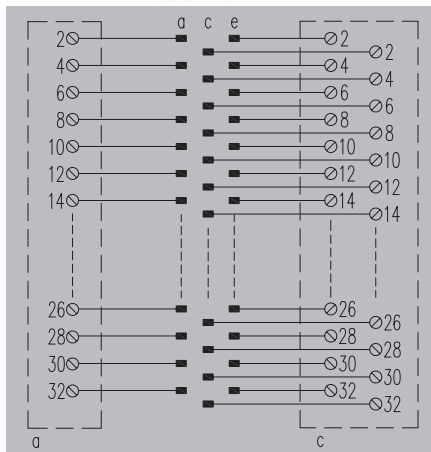
## Card holders

## SKH

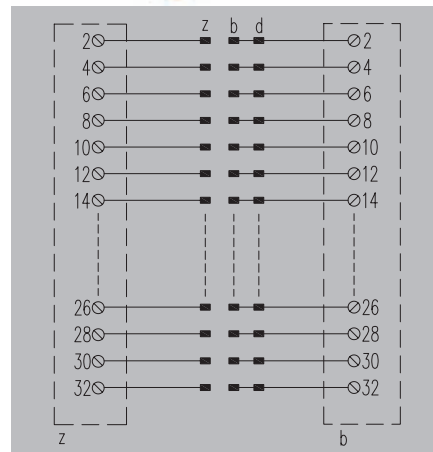
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

## SKH E48



## SKF F32 Z+B



## Technical data

| Connection data                   |
|-----------------------------------|
| Connection on control side        |
| Type (control side)               |
| Number of poles (control side)    |
| Contact assembly                  |
| Design of the pluggable board     |
| Rated data                        |
| Rated voltage                     |
| Rated current per connection      |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Pulse voltage test (1,2/50µs)     |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 48E                                         |
| 48-pole female                              |
| e, c, a                                     |
| 100x160 mm euro format for 19" racks        |
| 125 V AC / 150 V DC                         |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| < 150 V AC                                  |
| II                                          |
| 2                                           |
| 1.5 kV                                      |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 32F                                         |
| 32-pole female                              |
| z and b                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

| Dimensions                          |
|-------------------------------------|
| Clamping range, min. / max. [Field] |
| Length x width x height             |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 69 mm / 131 mm / 144 mm                  |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 50.8 mm / 131 mm / 144 mm                |

| Note |
|------|
|------|

| Note |
|------|
|------|

| Note |
|------|
|------|

## Ordering data

|                     |
|---------------------|
| 1 clamping bracket  |
| 2 clamping brackets |

| Type           | Order No.  |
|----------------|------------|
| SKH E48 LP2/LP | 0690660000 |

| Type                 | Order No.  |
|----------------------|------------|
| SKH F32 (Z&B) LP RH2 | 0586861001 |

| Note |
|------|
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| Note |
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| Note |
|------|
|------|

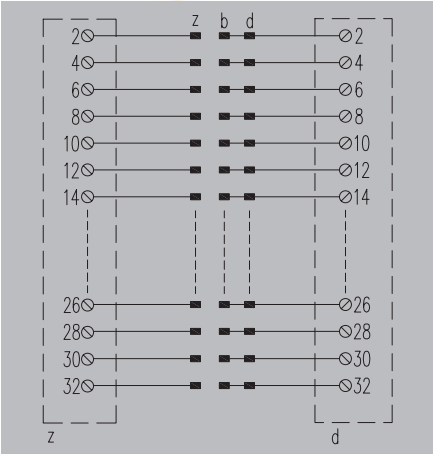
## Accessories

| Note |
|------|
|------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000 |
|------------------------------------------------------------------------------------------------------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000 |
|------------------------------------------------------------------------------------------------------|

SKF F32 Z+D



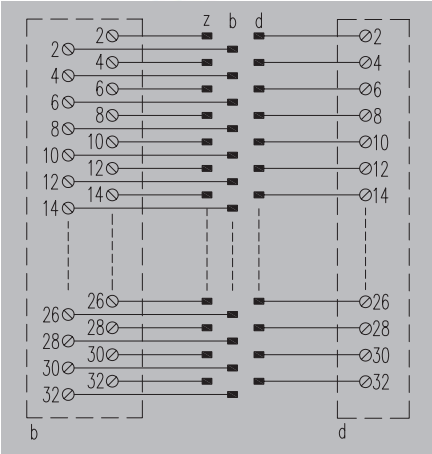
|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 32F                                         |
| 32-pole female                              |
| z and d                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 50.8 mm / 131 mm / 144 mm                |

| Type                 | Order No.  |
|----------------------|------------|
| SKH F32 (Z&D) LP RH2 | 0586961001 |

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

SKH F48



|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 48F                                         |
| 48-pole female                              |
| z, b, d                                     |
| 100x160 mm euro format for 19" racks        |
| 125 V AC / 150 V DC                         |
| 4 A                                         |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| < 150 V AC                                  |
| II                                          |
| 2                                           |
| 1.5 kV                                      |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 56 mm / 131 mm / 144 mm                  |

| Type    | Order No.  |
|---------|------------|
| SKH F48 | 0587060000 |

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

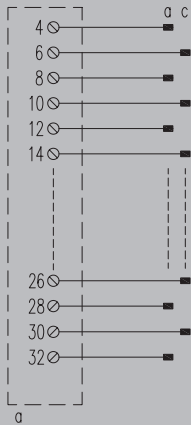
# Card holders

## SKH

Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

## SKH H15



### Technical data

| Connection data                   |
|-----------------------------------|
| Connection on control side        |
| Type (control side)               |
| Number of poles (control side)    |
| Contact assembly                  |
| Design of the pluggable board     |
| Rated data                        |
| Rated voltage                     |
| Rated current per connection      |
| General data                      |
| Ambient temperature (operational) |
| Storage temperature               |
| Approvals                         |
| Insulation coordination (EN50178) |
| Rated insulation voltage          |
| Surge voltage category            |
| Pollution severity level          |
| Pulse voltage test (1,2/50µs)     |

|                                             |
|---------------------------------------------|
| Plug-in connector, acc. to DIN 41612 female |
| 15H                                         |
| 15-pole female                              |
| a and c                                     |
| 100x160 mm euro format for 19" racks        |
| 250 V UC                                    |
| 10 A                                        |
| 0...+55°C                                   |
| -40...+60 °C                                |
| CE; GOSTME25                                |
| 250 V                                       |
| II                                          |
| 2                                           |
| 2.1 kV                                      |

| Dimensions                         |
|------------------------------------|
| Clamping range, min. /max. [Field] |
| Length x width x height            |

|                                          |
|------------------------------------------|
| 0.13 mm <sup>2</sup> / 6 mm <sup>2</sup> |
| 56 mm / 131 mm / 144 mm                  |

| Note |
|------|
|------|

### Ordering data

|                     |
|---------------------|
| 1 clamping bracket  |
| 2 clamping brackets |

| Type     | Order No.  |
|----------|------------|
| SKH H15S | 8051300000 |

| Note |
|------|
|------|

### Accessories

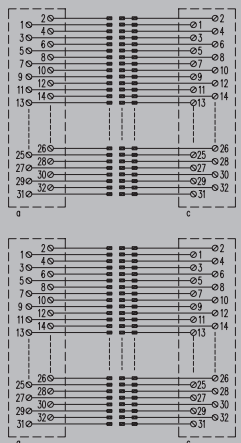
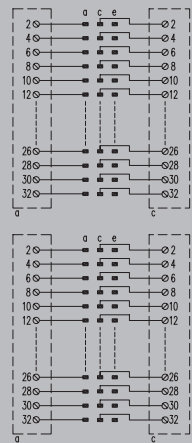
| Note |
|------|
|------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000 |
|------------------------------------------------------------------------------------------------------|

**SKH x 2**

Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

**SKH 2XC64 A+C****SKH 2XD32 A+C****Technical data****Connection data**

Connection on control side  
Type (control side)  
Number of poles (control side)  
Contact assembly  
Design of the pluggable board

**Rated data**

Rated voltage  
Rated current per connection

**General data**

Ambient temperature (operational)  
Storage temperature  
Approvals

**Insulation coordination (EN50178)**

Rated insulation voltage  
Surge voltage category  
Pollution severity  
Pulse voltage test (1,2/50µs)

Plug-in connector, acc. to DIN 41612 female

64C

64-pole female

a and c

233x160 mm double euro format for 19" enclosures

125 V AC / 150 V DC

1 A

0...+55°C

-40...+70 °C

CE; GOSTME25

125 V AC

II

2

1.1 kV

Plug-in connector, acc. to DIN 41612 female

32D

32-pole female

a and c

233x160 mm double euro format for 19" enclosures

125 V AC / 150 V DC

4 A

0...+55°C

-40...+70 °C

CE; GOSTME25

125 V AC

II

2

1.1 kV

**Dimensions**

Clamping range, min. / max. [Field]  
Length x width x height

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

69 mm / 286 mm / 144 mm

0.13 mm<sup>2</sup> / 6 mm<sup>2</sup>

69 mm / 286 mm / 144 mm

**Note****Ordering data**

1 clamping bracket

**Type**

SKH C64\*2 (A&C) RH2

**Order No.**

8013120000

**Type**

SKH D32\*2 LP5.08/16 RH2

**Order No.**

8050981001

**Note****Accessories****Note**

Kit for connection to TS35: Installation motherboard 2051430000 and mounting foot TS35 0687900000

Kit for connection to TS35: Installation motherboard 2051430000 and mounting foot TS35 0687900000



# Weidmüller Solutions & Service

|                                           |                                                                                                                                    |     |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>Weidmüller Solutions &amp; Service</b> | Customer specific solutions: best advice, best solutions                                                                           | V.2 |
|                                           | Digital support: RailDesigner®, Product Assistant for Distribution Boxes,<br>Online product catalogue, M-Print® PRO label designer | V.8 |

## Application specific solutions – Your requirements are our motivation

Each industry has its own requirements calling for more and more individual solutions aside from standard products. Your new product might have to contend with severe conditions. Many applications are subjected to high mechanical strains – through vibration or directly applied forces. Extreme temperature conditions or an application in hazardous areas are further factors your product must be able to comply with. We can offer you highly competent expertise to support you in the selection of ideal products, whatever your application. Feel free to contact us!

From custom product development, customer-specific assembly or application-specific products that are ready for use - we can help you to optimise your working processes and ensure your company's sustained efficiency, today, as well as for the future.

### Individual product development

Working closely with you, we can develop individual and future-proof products using the latest technologies and which are specifically tailored to your application.

### Customer-specific assembly

Our highly-skilled production expertise and broad product portfolio means that we can deliver superior solutions to meet and exceed your specification requirements.

### Application-specific products

Our cross-industrial solutions set standards: Set up for your application, instantly ready for use and available from stock.



# Individual product development for your success

## We have a passion for simple, innovative solutions

Working with you, we can develop innovative and future-oriented products tailored to your application. Our philosophy is „one customer - one product“. It is not the product that is the starting point, but you, your technical specifications and your requirements.

## A connecting partnership

The development of individual products means making the most of the experience and competencies available in the partnership. Our project management provides a professional and quality approach - from concept and design through to development, implementation and production. Our extensive knowledge of electrical connectivity, enclosure and sealing technology, as well as signal conditioning are all at your disposal.

## Benefit from a reliable partner:

- **Increase the efficiency of your development and production processes**

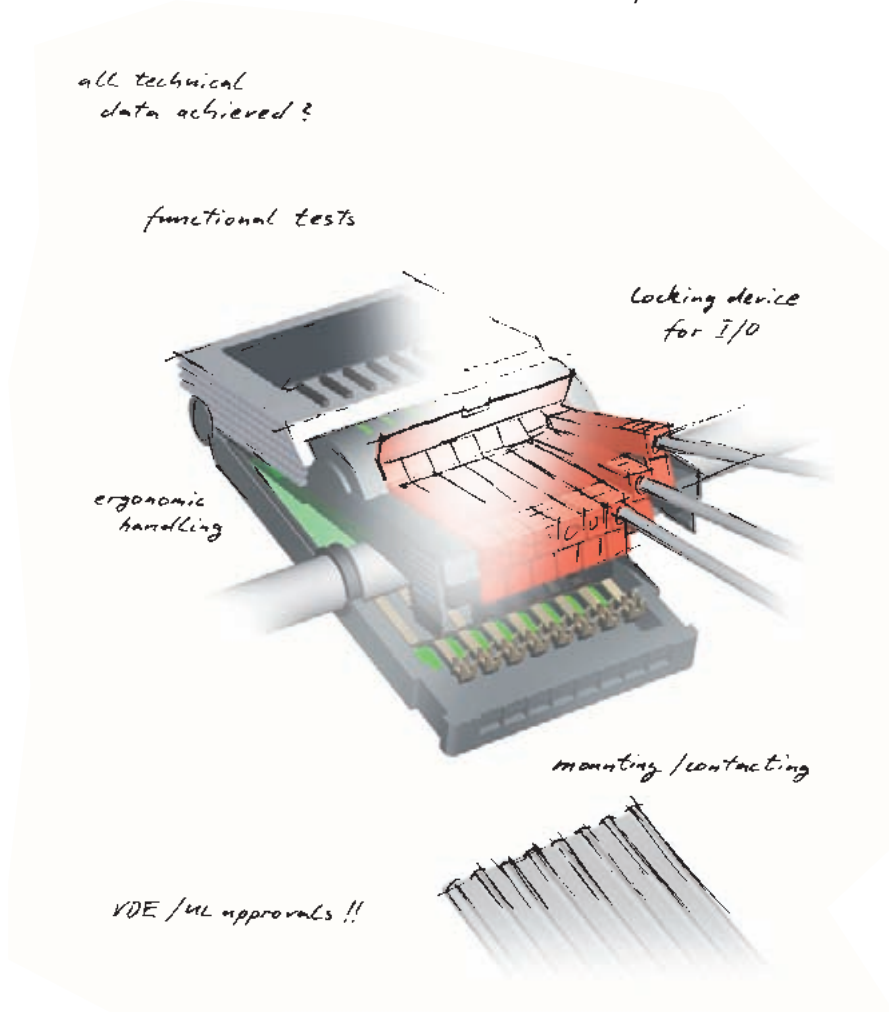
Outsourcing the development and production of your components will shorten your time-to-market. In addition, you have more time to concentrate on your core competencies.

- **Take advantage of our applications and production experience and expertise**

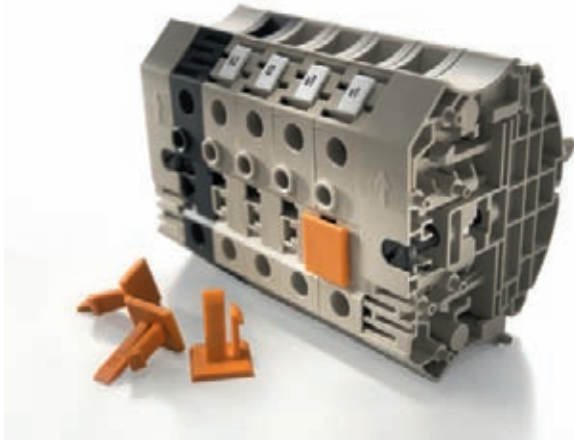
You can draw on the accumulated knowledge of our applications engineers and our specialists in the fields of connection technology, enclosure and surface technology, as well as metal and plastic processing, which is second to none.

- **Feel safe with the professional approach of our project management**

Through innovation workshops, feasibility studies and profitability analyses we define a requirement profile forming the basis for the further development process. In this way, you can be sure of the best possible products for your needs.



## Application specific products – solutions for industries and markets



Industries and applications often have similar or even identical requirements for products or product assemblies. Application specific products that are based on earlier realised solutions are now directly available from stock.

**Your advantage:** You quickly get a suitable and cost-efficient solution.

### Cross industrial solutions as standard

It is our aim to develop solutions that offer the additional advantage of a truly flexible design. Although this may mean an application-specific product may have an additional input or terminal you don't need, it can still be much cheaper than having a custom-made solution. Therefore, you not only save time, but money!



### Reap multiple benefits:

- **High availability**

Application specific products are available from stock without delay. So you can rely on the delivery of your products when you need them.

- **Advice from application engineers**

Using the expertise of our applications engineers means that you can develop the solutions that are not only right, but which deliver added value to your applications.

- **Supportive software**

Project planning and evaluation is made easy with our software solutions such as NetCalc, RailDesigner® or Softclinic.

- **Worldwide application centres**

We stay in constant dialogue with our worldwide application centres, ensuring that our own application knowledge is shared, kept up to date and at your disposal anywhere you need us.



## Customer specific assembly, tailored configuration



You may be looking to bring costs down and increase your efficiency. It may be that you would like more time to focus on your core competencies. You could be looking for a partner who will sent up intelligent solutions for you, that you can trust to deliver your specific requirements. Here at Weidmüller, we have a wealth of expertise, capability, and capacity to deliver custom solutions that are flexible, economically advantageous and on time.

We offer to work closely with you, providing support and advice, and in putting together the job specification. Furthermore, our broad product portfolio means that we can jointly work together on the selection of the best components to make up your custom solution.

### Highest levels of professional production

You have complete access to our highly-skilled project management team and our production expertise, for example, in the ATEX area. We can offer you a comprehensive portfolio of customer-specific assemblies, from simple assembly to the modification of existing electronics products.

Our services include:

- Adaptation and assembly of enclosures for all IP protection classes
- ATEX solutions for hazardous areas
- Assembly of heavy duty connectors
- Assembly of terminal strips
- Customer specific electronics solutions
- Cable assembly



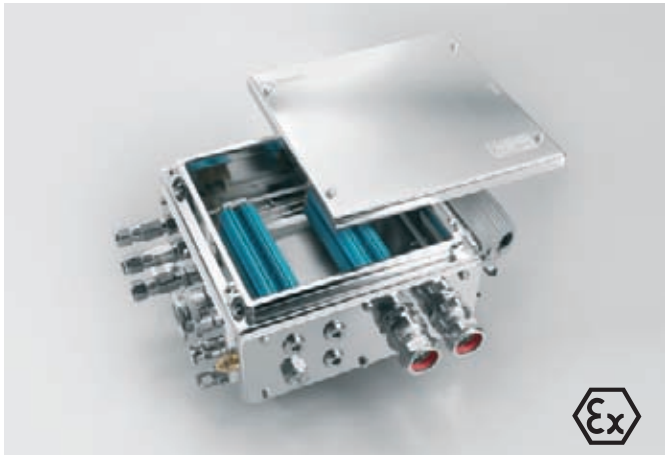
### Take advantage of:

- **Simple ordering and stockholding information**  
One solution – one item number! It will no longer be necessary to order single components. Article variety and stockholding will be reduced.
- **Professional assembly**  
All individual components will be pre-assembled, reducing your own assembly time and costs.

- **Less costs for documentation**  
Our RailDesigner® software will facilitate the generation of parts lists or drawings.
- **Modern processing of enclosures**  
Our CNC processing centres can adapt the enclosures to suit your tailored solution.

# Customer specific assembly – consultation, product, development and production – all from a single source

Our application and manufacturing expertise influences decisions on all areas of modern connection technology. They therefore play an integral part of every solution.



## Enclosures

Perfect protection and safety

- Enclosures for all IP protection classes
- ATEX enclosures for hazardous areas
- Placement of inspection glasses, drill holes and threads
- Elaborate machining operations like the milling of contours
- Class C5 welding, according to DIN 6700, for stainless steel and sheet steel enclosures
- Surface coating as and when required
- Individual device and system markers



## Heavy duty connectors

Perfect connection with system

- Placement of drill holes and cable glands
- Equipped with plug-and-play components
- Wiring of subassemblies
- Cable assembly
- All housings are available with individual laser marking



## Terminal strips

Configuration made to measure

- Machining of mounting rails
- Snapping components onto terminal rails
- Placement of cross connections
- Mounting of standard conductors
- Marking of terminals, devices, conductors and cables



### Electronics

Individual solution from the beginning

- Modular terminal blocks, component plugs, snap on bases, enclosures for electronics: integration of relevant electronic components
- Snap-on base: Component carrier design or simple wiring of the modules
- Interface units
- Modification of existing electronic products: Modification of the circuitry or specific calibration
- Combination of components: Relays or optocouplers in combination with other components



### Cable assembly

Our special service

- Pre cutting of cables and conductors
- Installation of
  - Heavy duty connectors
  - PCB connectors or DIN connectors
- Conditioning of wire ends
- Mounting of wire end ferrules and cable lugs
- Connection of conductors to terminal rails

## RailDesigner®

### A faster way to configure and order terminal strips



These days, time and cost efficiency are of the essence when it comes to working in planning and production. RailDesigner®, our free configuration and purchasing software, uses its virtual assembly of mounting rails (assembled or unassembled) to help you with the design of your own completely personal solution.

#### **RailDesigner® brings you substantial benefits:**

##### **Less time required**

It speeds up the process of acquiring quotations and placing orders because, for example, all processes can be initiated directly from the software. You configure your projects and the rest virtually takes care of itself!

##### **User friendly operation**

Any potential errors are prevented by automatic installation tips and clear project processing and management. So that you can plan your project realistically, RailDesigner® offers both 2D and 3D displays.

##### **Wide selection from the current product portfolio**

"You can easily download software updates for RailDesigner® from the internet. This means that you will always have access to the latest version of our product database."

##### **Project planning that is compatible with your software**

Plan and design your projects easily using your usual CAE software. With the integrated interface, transferring data from your CAE system has never been so simple. You can export component lists and terminal strip designs in various formats. Marking data is automatically transferred to the M-Print® Pro labelling software.

##### **Simple purchasing of terminal strips**

Once you have completed the planning stages of your projects in RailDesigner®, you can choose to send all of your data to us by email. Then we take over the assembly and deliver the required configuration to you, along with anything else that you still require for your project.

Download the software for free and discover the advantages to using RailDesigner® at **[www.raildesigner.de](http://www.raildesigner.de)**

# Product assistant for distribution boxes and assemblies – The perfect solution, in the shortest time



You can easily and quickly select, combine and purchase the required components, all with the help of the Weidmüller product assistant for distribution boxes and assemblies. This means that you can rapidly obtain your individual enclosure solutions which may include the following components:

## Empty enclosures without holes

Empty enclosures in various sizes of the Klippon® K and Klippon® POK series (aluminium and plastic) with matching mounting rails.

## Empty enclosures with pre-threaded holes

Empty enclosures in different sizes from the Klippon® K and Klippon® POK series (aluminium and plastic), that are already equipped with metric threaded holes.

## Mounting rails

Exactly tailored mounting rails for the enclosure sizes on offer.

## Terminal strips

Mounting rails, which also perfectly match the offered enclosure sizes and are pre-fitted with terminals, optionally with screw or tension clamp connection.

## Distribution boxes with Ex-protection

Enclosures that are already assembled with a terminal strip and already equipped with metric threaded holes.

## Numerous possible combinations

Enclosures with Ex-protection are supplied exclusively with terminal strips that are already fitted. The product assistant offers you various approaches for industry variants so that you can create the right enclosure variant.

You can start off with any of the listed components and then add further components to the combination. This means that, for example, you can select the required terminal strip and the product assistant will then offer the matching enclosure variants.

Or, you can start with the enclosure, and matching terminal strips or mounting rails will then be chosen. The selected products can then be directly included in the query list.

## Provision of all relevant data

During the selection, you can choose filters for the terminal strips, such as length, connection technology or dimensional cross-section and, for the enclosure, you can choose material, size, holes etc. If a product is then selected and combined, the user can view all of the relevant data, including drawings and pictures. This means that you can extensively plan how the enclosure will be integrated into the customer's application.

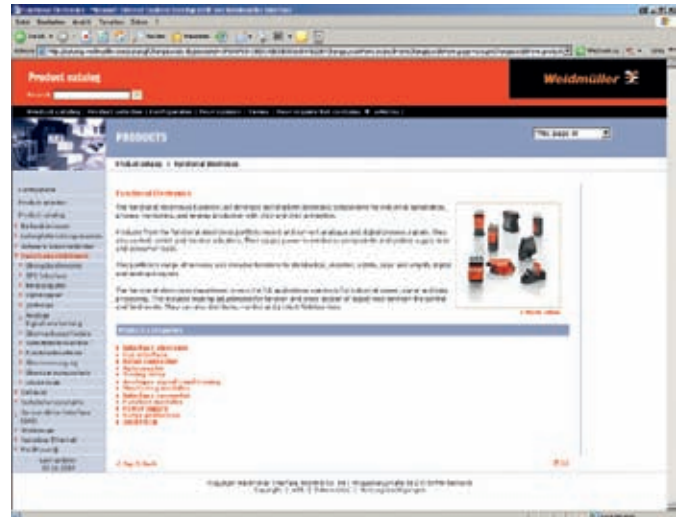
The product assistant is available at <http://galaxy.weidmueller.com>

## Online product catalogue

If you have questions about the specifications and details of our products, perhaps even outside normal business hours, then our online catalogue at **<http://catalog.weidmueller.com>** is opened 24 hours a day, 365 days a year and is the perfect source for information. Besides product features and part numbers, it contains extensive additional information on all product groups.

For further information, offers and your personal contact, simply consult the Weidmüller website at

**[www.weidmueller.com](http://www.weidmueller.com)**

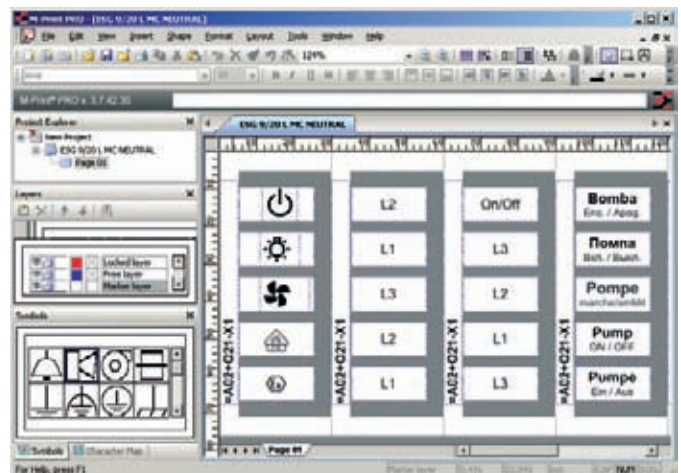


**With one click selection for the product data sheet of your choice.**

## M-Print® PRO label designer

The comprehensive range of Weidmüller services includes the M-Print® PRO software. This is a professional standard, Windows®-based program for printing and ordering labels and markers that is coordinated with our current printing systems and marking materials.

M-Print® PRO enables you to design your labelling materials professionally and quickly. Texts, borders, lines, graphics, barcodes, serial numbers and photographs are all possible. The interface to RailDesigner® or your CAE system enables the transfer of all your configured data.



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| C300-32B-320B-2S-M34-01 | 7789888010 | B.11 |
| C300-32B-320B-2S-M50-01 | 7789838010 | B.11 |
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