PLC-Interface Units, Front Adapter and Prefabricated Cables

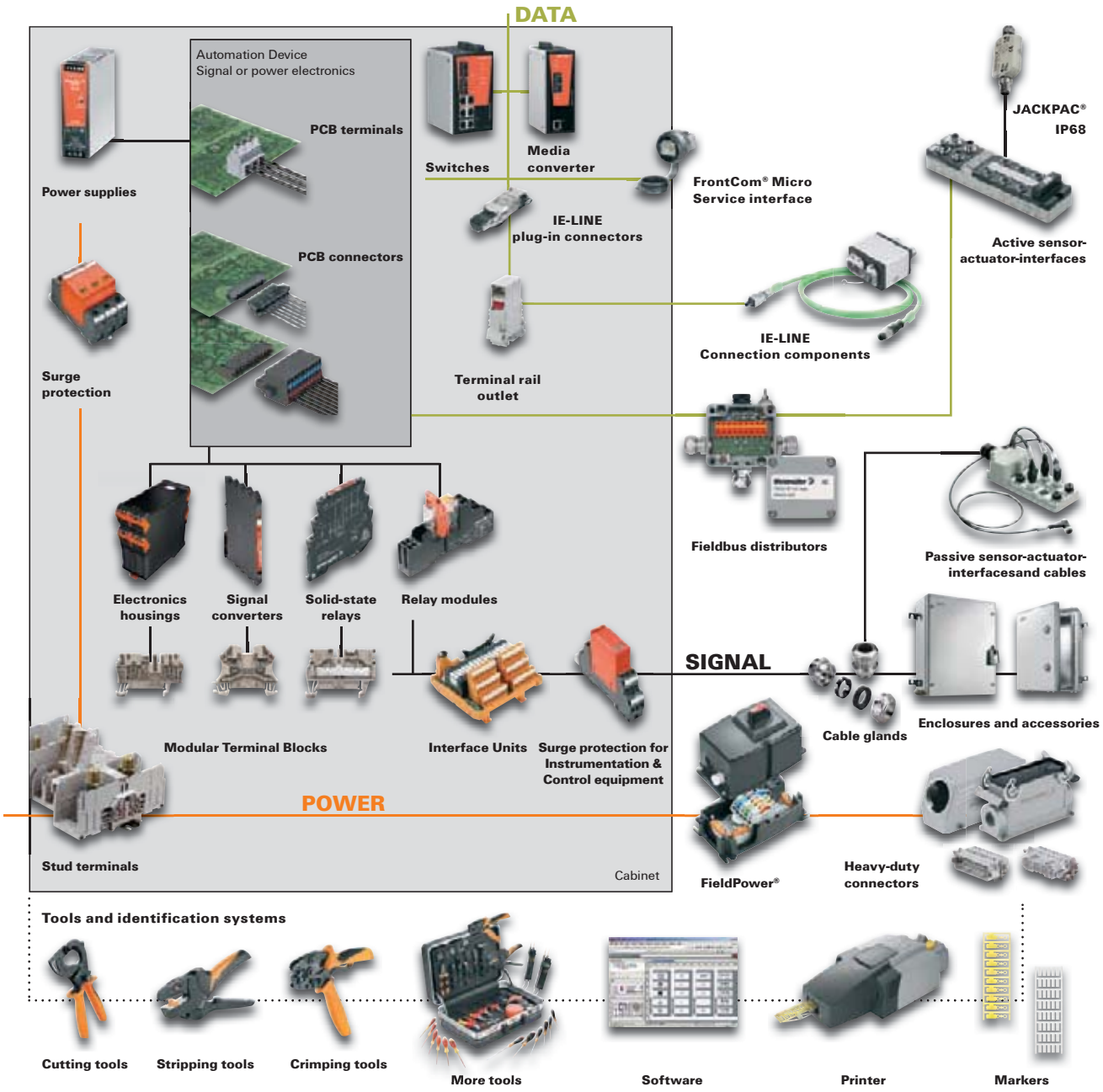
Catalogue 2012/2013

PLC-System Cabling

Weidmüller

Product Portfolio

Weidmüller is a leading international provider of solutions for electrical connectivity, transmission and conditioning of power, signal and data in industrial environments. The company with headquarters in Detmold/Germany develops, produces and sells products in the field of electrical connectivity and electronics worldwide.
www.power-signal-data.com



PLC-Interface Units, Front Adapter and Prefabricated Cables
Catalogue 4.5

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, disconnector
- 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

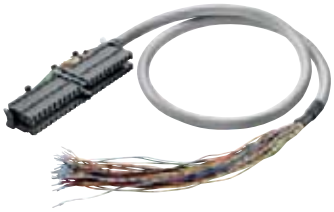
RSM
Page A.66

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

RSM
Page A.70

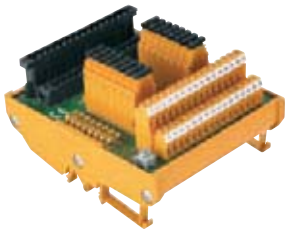
- Passive insulated interfaces for digital outputs for PLCs
- Ribbon connection cable, 20 pole
- With narrow 6 mm relay or standard RCL
- Screw or tension clamp connection

PAC-UNIV
Page A.82



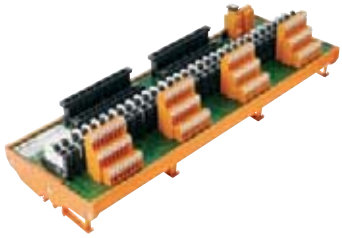
- Pre-assembled cables
- At one end has the PLC connector
- The other end has a wire-end ferrule

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

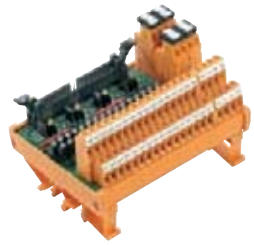
PAC-C300
Page B.11

- Pre-assembled cables for Honeywell C300

FAD
Page B.14

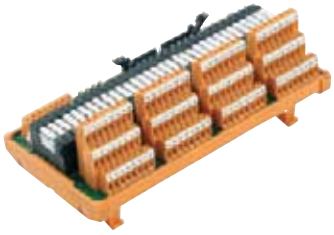
- Front adapters for Siemens S7-300 and Control logix

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

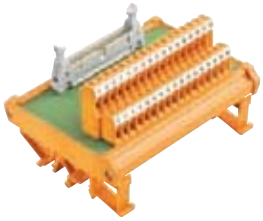


- Passive insulated digital output interfaces for PLCs and FAD front adapters
- With narrow 6 mm relay or standard RCL
- Screw or tension clamp connection

MICRO-INTERFACE
Page B.34

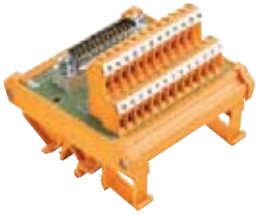
- Adapter for connecting to MICROSERIES relays and converters
- Ribbon or SUB-D connector cable

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

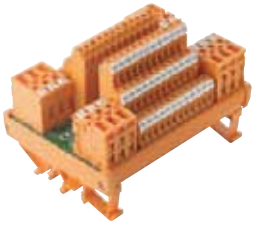
RS RJ45
Page C.10

- 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

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, ...

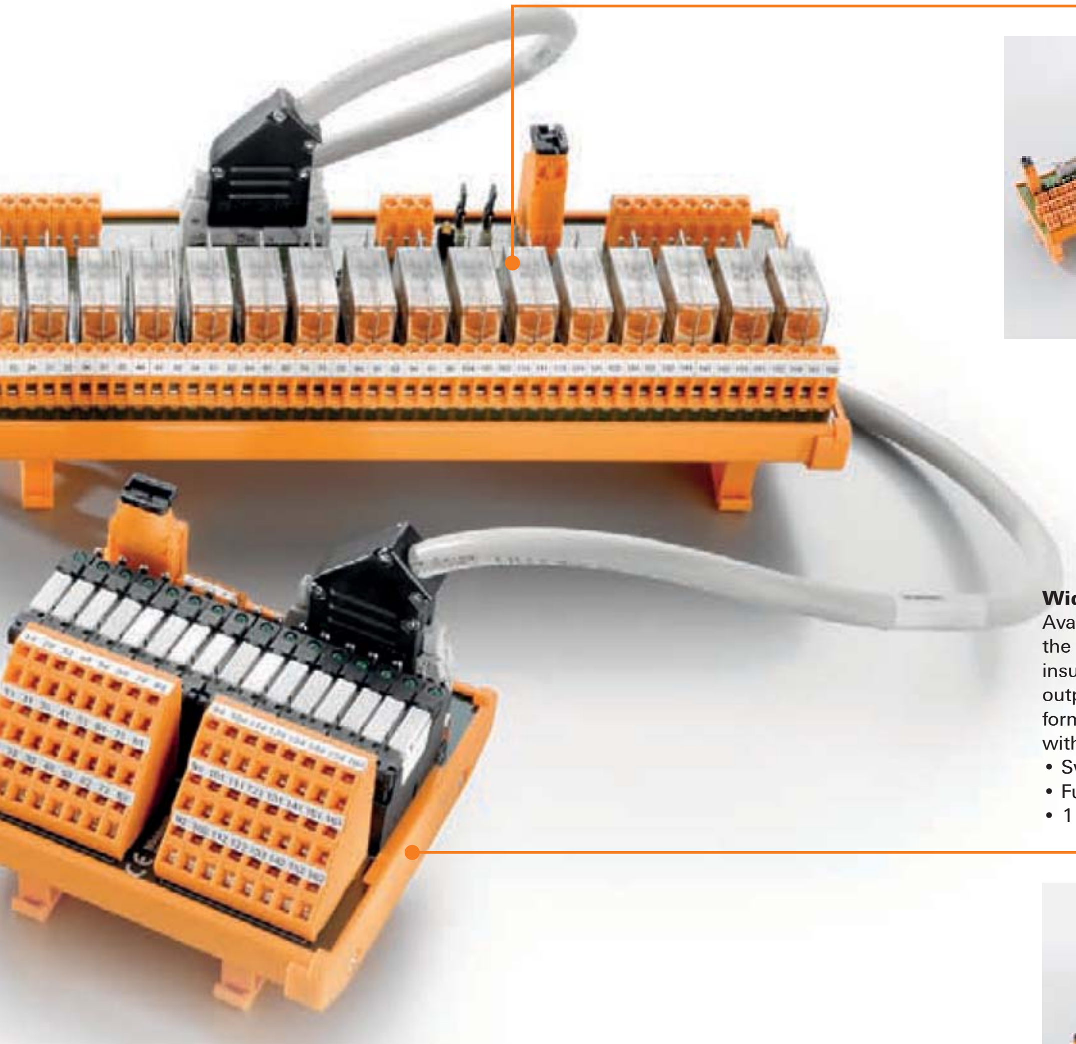
Guaranteed connection
The original factory connector is on one end of the PLC and standard connectors are on the other end: ribbon cable with fixing housing for digital signals and SUB-D connector for analogue signals. Available in different lengths.

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

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs - see page A.38 (H) or A.60 (A) -		Insulated inputs - see page A.66 -		Insulated outputs - 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		
DI	6ES7321-1BH01-0AA0	16 DI	7789234xxx	1	H2016	1	I2016	1		
DI	6ES7321-1BH02-0AA0	16 DI	7789234xxx	1	H2016	1	I2016	1		
DI	6ES7321-1BH50-0AA0	16 DI	7789234xxx	1	H2016	1	I2016	1		
DI	6ES7321-1BH80-0AA0	16 DI	7789234xxx	1	H2016	1	I2016	1		
DI	6ES7321-1BH81-0AA0	16 DI	7789234xxx	1	H2016	1	I2016	1		
DI	6ES7321-1BH82-0AA0	16 DI	7789234xxx	1	H2016	1	I2016	1		
DI	6ES7321-1BL00-0AA0	32 DI	7789236xxx	1	H2016	2	I2016	2		
DI	6ES7321-1BL80-0AA0	32 DI	7789236xxx	1	H2016	2	I2016	2		
DI	6ES7321-1BP00-0AA0	64 DI, positive logic	7789771xxx	2	H2016	4	I2016	4		
DI		64 DI, negative logic [A)]	7789768xxx	2	H2016	4				
DI	6ES7321-1CH20-0AA0	16 DI	7789211xxx	1	R2416	1				
DI	6ES7321-1CH80-0AA0	16 DI	7789211xxx	1	R2416	1				
DI	6ES7321-1EH00-0AA0	16 DI	7789212xxx	1	R2416	1				
DI	6ES7321-1EH01-0AA0	16 DI	7789212xxx	1	R2416	1				
DI	6ES7321-1EL00-0AA0	16 DI	7789215xxx	1	R3632	1				
DI	6ES7321-1FF00-0AA0	8 DI	7789219xxx	1	R1208	1				
DI	6ES7321-1FF01-0AA0	8 DI	7789219xxx	1	R1208	1				
DI	6ES7321-1FF81-0AA0	8 DI	7789219xxx	1	R1208	1				
DI	6ES7321-1FH00-0AA0	16 DI	7789212xxx	1	R2416	1				
DI	6ES7321-7BH00-0AB0 [A)]	16 DI	7789210xxx	1	R2416	1				
DI	6ES7321-7BH01-0AB0 [A)]	16 DI	7789210xxx	1	R2416	1				
DI	6ES7321-7BH80-0AB0 [A)]	16 DI	7789210xxx	1	R2416	1				
DI	6ES7321-7RD00-0AB0 [B)]	16 DI	7789801xxx	1	H20	1				
	6ES7322-1BF00-0AA0	8 DO	7789239xxx	1	H2008	1			O2008	1
	6ES7322-1BF01-0AA0	8 DO	7789239xxx	1	H2008	1			O2008	1

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)

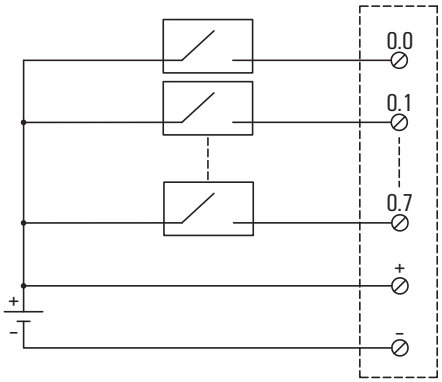
The digital input/output interfaces have been designed using a ribbon cable connector suitable for the majority of signals coming from the PLC. In addition, the pre-assembled cables are designed using a cross-section of 0.25 mm^2 and have a cover that guarantees complete and safe fastening with the interface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

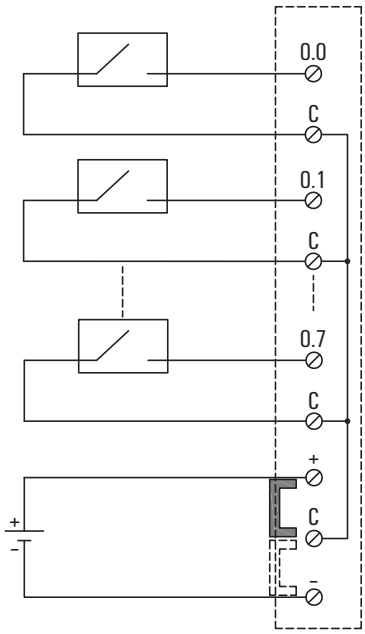
- LED
- Fusible
- Interruptor

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.

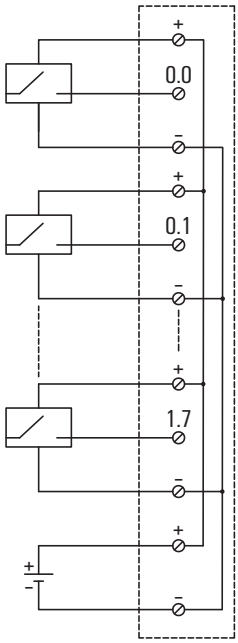
1-wire system:
In field components, one of the wires is connected to the interface while the other is connected to a common power supply point (for example a terminal block).



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.

Analogue input/output interfaces (S System)

((Prüfen))

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.

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.

Pre-assembled cables

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

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 mm² 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.

Table of colour codes according to DIN 47.100

№	Colour	№	Colour	№	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		

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

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

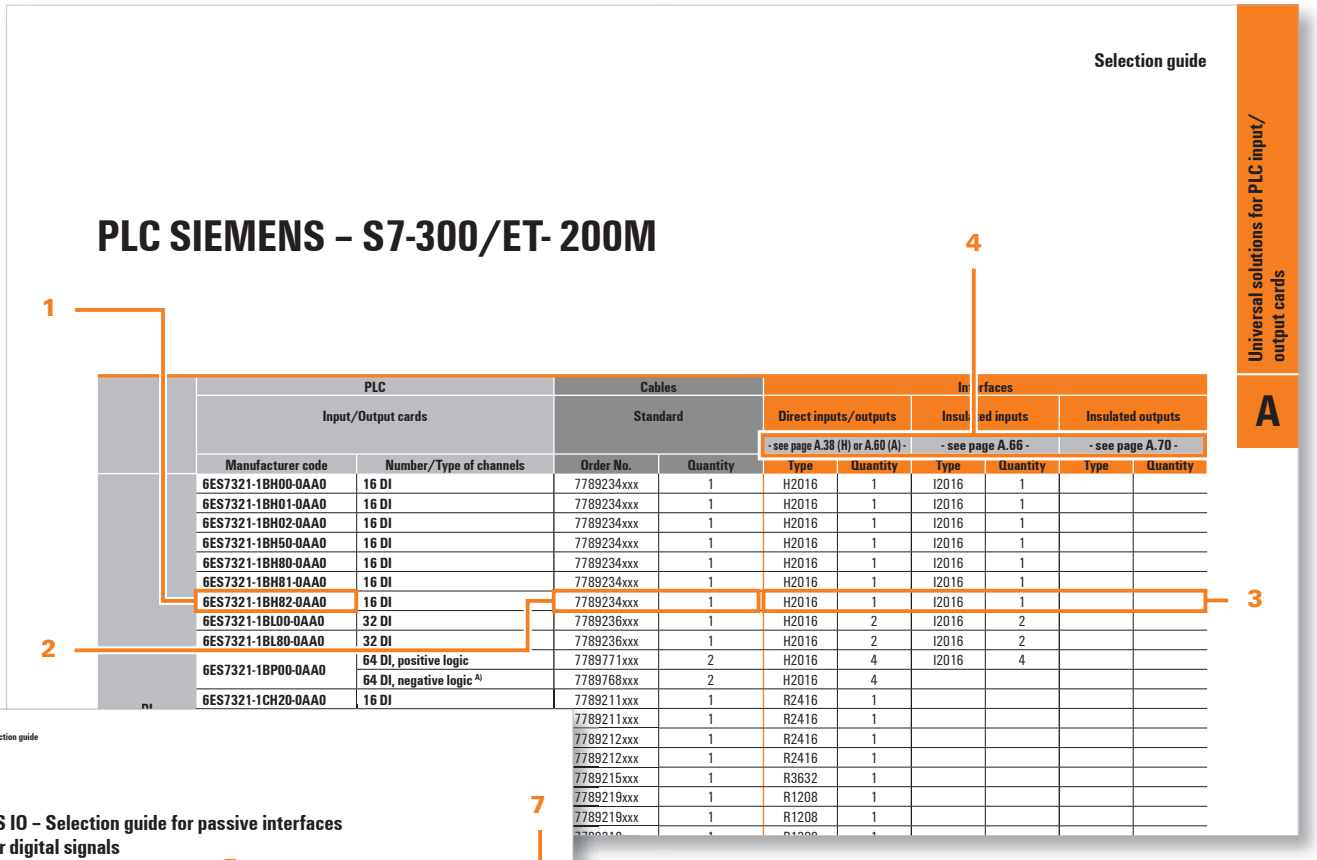
- **Fast**
  The use of pre-assembled cables means there are real savings in time:
  – during design, thanks to the selection guides.
  – during assembly.
  – during startup.
  – in the detection/resolution of problems.

- **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

Universal solutions for PLC input/ output cards

A

PLC SIEMENS – S7-300/ET- 200M

1

2

3

4

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
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 A)	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				

Selection guide

Universal solutions for PLC input/ output cards

A

RS IO – Selection guide for passive interfaces for digital signals

5

6

7

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

	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 A)	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 B)	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 C)	8 AI	7789657xxx	1	A25	1				
	AI820 C)	4 AI	7789657xxx	1	A25	1				
	AI830 C)	8 AI	7789657xxx	1	A25	1				
	AI830A C)	8 AI	7789657xxx	1	A25	1				
	AI845 C)	8 AI	7789657xxx	1	A25	1				
AO	AO810 C)	8 AO	7789657xxx	1	A25	1				
	AO810V2 C)	8 AO	7789657xxx	1	A25	1				
	AO820 C)	4 AO	7789657xxx	1	A25	1				
	AO845 C)	8 AO	7789657xxx	1	A25	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! 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 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 A)	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T1B2 A)	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T1B3 A)	8 DI	7789701xxx	1	H2016	1				
	VE4001S2T2B1 A)	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T2B2 A)	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T2B3 A)	8 DI	7789701xxx	1	H2016	1				
	VE4001S2T2B4 A)	32 DI	7789100xxx	2	H2016	2				
	VE4001S2T2B5 A)	32 DI	7789702xxx	2	H2016	2				
	VE4001S3T1B1	8 DI	7789104xxx	1	R2416	1				
	VE4001S3T1B2	8 DI	7789104xxx	1	R2416	1				
	VE4001S3T2B1	8 DI	7789104xxx	1	R2416	1				
	VE4001S3T2B2	8 DI	7789104xxx	1	R2416	1				
DO	VE4002S1T1B1 A)	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T1B2 A)	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T1B3 A)	8 DO	7789701xxx	1	H2016	1				
	VE4002S1T2B1 A)	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T2B2 A)	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T2B3 A)	8 DO	7789700xxx	1	H2008	1				
	VE4002S1T2B4 A)	8 DO	7789703xxx	1	H2008	1				
	VE4002S1T2B5 A)	32 DO	7789100xxx	2	H2016	2				
	VE4002S1T2B6 A)	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				
AI	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				
	VE4003S3B4	8 AI	7789704xxx	1	A2508	1				
	VE4003S6B1	8 AI	7789254xxx	1	A3716	1				
AO	VE4005S2B1	8 AO	7789252xxx	1	A2508	1				
	VE4005S2B2	8 AO	7789252xxx	1	A2508	1				
	VE4005S2B3	8 AO	7789704xxx	1	A2508	1				
Note	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 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			O2008	1
	IC693MDL731 A)	8 DO	7789069xxx	1	H2016	1			O2016	1
	IC693MDL732	8 DO	7789068xxx	1	H2008	1			O2008	1
	IC693MDL733 A)	8 DO	7789068xxx	1	H2016	1			O2016	1
	IC693MDL740	16 DO	7789068xxx	1	H2016	1			O2016	1
	IC693MDL741 A)	16 DO	7789068xxx	1	H2016	1			O2016	1
	IC693MDL742	16 DO	7789068xxx	1	H2016	1			O2016	1
	IC693MDL752 A)	32 DO	7789066xxx	2	H2016	2			O2016	2
	IC693MDL753	32 DO	7789066xxx	2	H2016	2			O2016	2
	IC693MDL930	8 DO	7798064xxx	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 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 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 16 AI, differential applications	7789667xxx	1	A2508	1				
	IC695ALG616	8 AI, differential applications	7789626xxx	1	A3716	1				
	IC695ALG616	16 AI, common mode applications	7789798xxx	1	A3716	1				
AO	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				
	IC695ALG808	8 AO	7789621xxx	1	A2508	1				
AI/AO	IC694ALG442	4 AI 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 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-OAV161	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				
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.

* 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 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 A)	16 DI	7789100xxx	1	H2016	1				
	QX40-S1 A)	16 DI	7789100xxx	1	H2016	1				
	QX41 A)	32 DI	7789681xxx	1	H2016	2				
	QX41-S1 A)	32 DI	7789681xxx	1	H2016	2				
	QX42 A)	64 DI	7789681xxx	2	H2016	4				
	QX42-S1 A)	64 DI	7789681xxx	2	H2016	4				
	QX50	16 DI	7789104xxx	1	R2416	1				
	QX70 A)	16 DI	7789100xxx	1	H2016	1				
	QX71 A)	32 DI	7789681xxx	1	H2016	2				
	QX72 A)	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 B)	16 DO	7789100xxx	1	H2016	1			O2016	1
	QY41P B)	32 DO	7789708xxx	1	H2016	2			O2016	2
	QY42P B)	64 DO	7789708xxx	2	H2016	4			O2016	4
	QY50 B)	16 DO	7789100xxx	1	H2016	1			O2016	1
	QY68A	8 DO	7789100xxx	1	H2016	1			O2016	1
	QY70 B)	16 DO	7789100xxx	1	H2016	1			O2016	1
	QY71 B)	32 DO	7789708xxx	1	H2016	2			O2016	2
	QY80	16 DO	7789100xxx	1	H2016	1			O2016	1
DI/DO	QH42P C)	32 DI	7789681xxx	1	H2016	2				
		32 DO	7789708xxx	1	H2016	2			O2016	2
	QX41Y41P C)	32 DI	7789681xxx	1	H2016	2				
		32 DO	7789708xxx	1	H2016	2			O2016	2
	QX48Y57 C)	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				

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 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 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 A)	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 A)	7789768xxx	1	H2016	2				
	XIOC-8DI	8 DI, positive logic	7789862xxx	1	H2008	1				
		8 DI, negative logic A)	7789863xxx	1	H2016	1				
DO	XIOC-12DO-R B)	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
	XIOC-8DO	8 DO	7789865xxx	1	H2008	1			O2008	1
DI/DO	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
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 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 A)	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 A)	7789100xxx	1	H2016	1				
	ID212	16 DI, positive logic	7789100xxx	1	H2016	1		I2016	1	
		16 DI, negative logic A)	7789100xxx	1	H2016	1				
	ID216	32 DI, positive logic	7789771xxx	1	H2016	2		I2016	2	
		32 DI, negative logic A)	7789768xxx	1	H2016	2				
	ID217	64 DI, positive logic	7789771xxx	2	H2016	4		I2016	4	
		64 DI, negative logic A)	7789768xxx	2	H2016	4				
	IM211	8 DI, 24 V DC applications	7789100xxx	1	H2008	1				
	IM212 A)	16 DI, 24 V DC applications	7789100xxx	1	H2016	1				
DO	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 B)	16 DO	7789100xxx	1	H2016	1			O2016	1
	OD212 B)	16 DO	7789100xxx	1	H2016	1			O2016	1
	OD213 B)	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 B)	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 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		
		16 DI, negative logic A)	7789833xxx	1	H2016	1				
	ID231	32 DI, positive logic	7789771xxx	1	H2016	2	I2016	2		
		32 DI, negative logic A)	7789768xxx	1	H2016	2				
	ID232	32 DI, positive logic	7789772xxx	1	H2016	2	I2016	2		
		32 DI, negative logic A)	7789767xxx	1	H2016	2				
	ID261	64 DI, positive logic	7789771xxx	2	H2016	4	I2016	4		
		64 DI, negative logic A)	7789768xxx	2	H2016	4				
	ID262	64 DI, positive logic	7789772xxx	2	H2016	4	I2016	4		
		64 DI, negative logic A)	7789767xxx	2	H2016	4				
DO	OA201	8 DO	7789648xxx	1	R1208	1				
	OC201	8 DO	7789649xxx	1	R2416	1				
	OC211	16 DO	7789664xxx	1	R2416	1				
	OD201 B)	8 DO	7789650xxx	1	H2016	1			O2016	1
	OD202	8 DO	7789650xxx	1	H2008	1			O2008	1
	OD211 B)	16 DO	7789794xxx	1	H2016	1			O2016	2
	OD212	16 DO	7789794xxx	1	H2016	1			O2016	2
	OD231 B)	32 DO	7789793xxx	1	H2016	2			O2016	2
	OD232	32 DO	7789373xxx	1	H2016	2			O2016	2
	OD233 B)	32 DO	7789373xxx	1	H2016	2			O2016	2
	OD261 B)	64 DO	7789793xxx	2	H2016	4			O2016	4
	OD262	64 DO	7789373xxx	2	H2016	4			O2016	4
	OD263 B)	64 DO	7789373xxx	2	H2016	4			O2016	4
DI/DO	MD232	16 DI, positive logic	7789328xxx	1	H2016	1				
		16 DO	7789329xxx	1	H2016	1			O2016	1
	MD232 C)	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 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 A)	8 DI, positive logic	7789100xxx	1	H2016	1				
	ID211 A)	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 A)	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 B)	8 DO	7789663xxx	1	H2016	1			O2016	1
	OD212 B)	16 DO	7789100xxx	1	H2016	1			O2016	1
	OD213 B)	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				
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 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 A)	7789831xxx	1	H2016	1				
	1769-IQ16F	16 DI, positive logic	7789770xxx	1	H2016	1	I2016	1		
		16 DI, negative logic A)	7789831xxx	1	H2016	1				
	1769-IQ32	32 DI, positive logic	7789770xxx	1	H2016	2	I2016	2		
			7789695xxx	1						
	1769-IQ32 A)	32 DI, negative logic	7789831xxx	1	H2016	2				
			7789832xxx	1						
	1769-IQ32T	32 DI, positive logic	7789005xxx	1	H2016	1	I2016	1		
		32 DI, negative logic A)	7789670xxx	1	H2016	1				
DO	1769-OA16	16 DO	7789024xxx	1	R2416	1				
	1769-OA8	8 DO	7789017xxx	1	R1208	1				
	1769-OB16	16 DO	7789769xxx	1	H2016	1			O2016	1
	1769-OB16P	16 DO	7789769xxx	1	H2016	1			O2016	1
	1769-OB32	32 DO	7789769xxx	1	H2016	2			O2016	2
			7789697xxx	1						
	1769-OB32T	32 DO	7789006xxx	1	H2016	2			O2016	2
	1769-OB8	8 DO	7789015xxx	1	H2008	1			O2008	1
	1769-OV16	16 DO	7789769xxx	1	H2016	1			O2016	1
	1769-OW16	16 DO	7789024xxx	1	R2416	1				
	1769-OW8	8 DO	7789017xxx	1	R1208	1				
	1769-OW8I	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				
	1769-IF8	8 AI, voltage applications	7789045xxx	1	A2508	1				
AO	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				
Note	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 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				
	1756-IN16	16 DI	7789031xxx	1	R3632	1				
DO	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				
	1756-IR6I	6 AI	7789158xxx	1	A2508	1				
AO	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.weidmueller.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 [A]	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-IQ8OW6	8 DI, positive logic	7789100xxx	1	H2008	1				
		6 DO	7789108xxx	1	R1208	1				
	1762-IQ8OW6 [B]	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 [C]	4 AI, 3 and 4-wire applications	7789252xxx	1	A2508	1				
AO	1762-OF4	4 AO	7789250xxx	1	A1504	1				
AI/AO	1762-IF2OF2	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
B) Attention! Use only interfaces without LEDs for the direct input option
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 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-OA16	16 DO	7789728xxx	1	R2416	1				
	1746-OB16	16 DO	7789003xxx	1	H2016	1			O2016	1
	1746-OB16E	16 DO	7789003xxx	1	H2016	1			O2016	1
	1746-OB32	32 DO	7789006xxx	1	H2016	2			O2016	2
	1746-OB32E	32 DO	7789006xxx	1	H2016	2			O2016	2
	1746-OB8	8 DO	7789100xxx	1	H2008	1			O2008	1
	1746-OBP16	16 DO	7789003xxx	1	H2016	1			O2016	1
	1746-OBP8	8 DO	7789100xxx	1	H2008	1			O2008	1
	1746-OG16 A)	16 DO	7789003xxx	1	H2016	1			O2016	1
	1746-OV16 A)	16 DO	7789003xxx	1	H2016	1			O2016	1
	1746-OV32 A)	32 DO	7789006xxx	1	H2016	2			O2016	2
	1746-OV8 A)	8 DO	7789100xxx	1	H2016	1			O2016	1
	1746-OVP16 A)	16 DO	7789003xxx	1	H2016	1			O2016	1
	1746-OW16	16 DO, 24 V DC applications	7789002xxx	1	H2016	1				
	1746-OW4	4 DO	7789108xxx	1	R1208	1				
	1746-OW8	8 DO	7789108xxx	1	R1208	1				
	1746-OX8	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-NIO4I	2 AI 2 AO	7789009xxx	1	A1504	1				
	1746-NIO4V	2 AI 2 AO	7789009xxx	1	A1504	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 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 A)	2 DI	7789100xxx	1	H20	1				
	TM5SDI4A	4 DI	7789854xxx	1	R1208	1				
	TM5SDI4D A)	4 DI	7789100xxx	1	H20	1				
	TM5SDI6A	6 DI	7789855xxx	1	R1208	1				
	TM5SDI6D A)	6 DI	7789100xxx	1	H20	1				
DO	TM5SDO12T	12 DO	7789840xxx	1	H2012	1			02012	1
	TMSDO2T A)	2 DO	7789100xxx	1	H20	1				
	TM5SDO4R	4 DO	7789858xxx	1	R1208	1				
	TM5SDO4T A)	4 DO	7789100xxx	1	H20	1				
	TM5SDO4TA A)	4 DO	7789100xxx	1	H20	1				
	TM5SDO6T A)	6 DO	7789100xxx	1	H20	1				
	TM5SDO8TA	8 DO	7789857xxx	1	H2008	1			02008	1
DI/DO	TM5SDM12DT	8 DI	7789859xxx	1	H2008	1				
		4 DO			H2008	1			02008	1
AI	TM5SAI2H	2 AI	7789841xxx	1	A1504M	1				
	TM5SAI2L	2 AI	7789841xxx	1	A1504M	1				
	TM5SAI2PH B)	2 AI	7789841xxx	1	A15	1				
	TM5SAI4H	4 AI	7789841xxx	1	A1504M	1				
	TM5SAI4L	4 AI	7789841xxx	1	A1504M	1				
	TM5SAI4PH B)	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				

Note

A) Attention! Only use these interfaces: 8537110000 or 0224261001. More information in chapter C
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 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 [A]	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		
	BMX DDI 6402 K	64 DI	7789387xxx	2	H2016	2	I2016	2		
DO	BMX DAO 1605	16 DO	7789383xxx	1	R2416	1				
	BMX DDO 1602	16 DO	7789380xxx	1	H2016	1			O2016	1
	BMX DDO 1612 [B]	16 DO	7789380xxx	1	H2016	1			O2016	1
	BMX DDO 3202 K	32 DO	7789387xxx	1	H2016	2			O2016	2
	BMX DDO 6402 K	64 DO	7789387xxx	2	H2016	4			O2016	4
	BMX DRA 0805	8 DO	7789633xxx	1	R2416	1				
	BMX DRA 1605	16 DO	7789384xxx	1	R2416	1				
DI/DO	BMX DDM 16022	8 DI	7789386xxx	1	H2008	1				
		8 DO			H2008	1			O2008	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			O2016	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				

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.

* 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 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 A)	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		
	TSD DSZ 32R5	32 DI	7789330xxx	1	R3632	1				
	TSX DSZ 32T2	32 DI	7789314xxx	1	H2016	2	I2016	2		
DO	TSX DSZ 04T22	4 DO	7789312xxx	1	H2008	1			02008	1
	TSX DSZ 08R5	16 DO	7789308xxx	1	R2416	1				
	TSX DSZ 08T2	8 DO	7789312xxx	1	H2008	1			02008	1
	TSX DSZ 08T2K	8 DO	7789301xxx	1	H2008	1			02008	1
DI/DO	TSX DMZ 16DTK	8 DI	7789834xxx	1	H2008	1				
		8 DO			H2008	1			02008	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			02016	1
	TSX DMZ 28DTK	16 DI	7789301xxx	1	H2016	1				
		12 DO	7789301xxx	1	H2012	1			02012	1
	TSX DMZ 64DTK	32 DI	7789301xxx	2	H2016	2				
		32 DO	7789301xxx	2	H2016	2			02016	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				
Note	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 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		
	TSX DEY 64D2K	64 DI	7789301xxx	4	H2016	4	I2016	4		
DO	TSX DSY 08R4D	8 DO	7789318xxx	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			O2008	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			O2016	1
	TSX DSY 16T3 A)	16 DO	7789322xxx	4	H2016	1				
	TSX DSY 32T2K	32 DO	7789301xxx	2	H2016	2			O2016	2
	TSX DSY 64T2K	64 DO	7789301xxx	4	H2016	4			O2016	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				
Note	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 where you will always find the most up-to-date information.

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		
	140 DDI 853 00	32 DI	7789121xxx	1	H2016	2	I2016	2		
DO	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			O2016	2
	140 DDO 364 00	96 DO	7789301xxx	6	H2016	6			O2016	6
	140 DDO 843 00	16 DO	7789120xxx	1	H2016	1			O2016	1
	140 DRA 840 00	16 DO	7789118xxx	1	R3632	1				
DI/DO	140 DDM 390 00	16 DI	7789133xxx	1	H2016	1				
		8 DO			H2008	1			O2008	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				
	140 AVI 030 00	8 AI, voltage applications	7789134xxx	1	A2508	1				
AO	140 ACO 020 00	4 AO	7789124xxx	1	A1504	1				
	140 ACO 130 00	8 AO, without monitoring	7789126xxx	1	A2508	1				
	140 AIO 330 00	8 AIO	7789137xxx	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 where you will always find the most up-to-date information.

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 A)	16 DI, negative logic	7789100xxx	1	H2016	1				
	TWD DII 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 A)	8 DI, negative logic	7789100xxx	1	H2016	1				
DO	TWD DDO 16TK	16 DO	7789329xxx	1	H2016	1			O2016	1
	TWD DDO 16UK B)	16 DO	7789328xxx	1	H2016	1			O2016	1
	TWD DDO 32TK	32 DO	7789329xxx	2	H2016	2			O2016	2
	TWD DDO 32UK B)	32 DO	7789328xxx	2	H2016	2			O2016	2
	TWD DDO 8TT	8 DO	7789100xxx	1	H2008	1			O2008	1
	TWD DDO 8UT A)	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 C)	12 DI, negative logic	7789100xxx	1	H2016	1				
		8 DO	7789104xxx		R2416	1				
	TWD LMDA 20DTK	12 DI, positive logic	7789327xxx	1	H2012	1				
		8 DO			H2016	1			O2016	1
	TWD LMDA 20DUK D)	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
	TWD LMDA 40DUK D)	24 DI, positive logic	7789326xxx	2	H2012	2				
		16 DO			H2008	2				
AI	TWD AMI 2HT	2 AI	7789250xxx	1	A1504	1				
AO	TWD AMO 1HT	1 AI	7789250xxx	1	A1504	1				
AI/AO	TWD ALM 3LT	2 AI	7789250xxx	1	A1504	1				
		1 AO				1				
	TWD AMM 3HT	2 AI	7789250xxx	1	A1504	1				
		1 AO				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
D) Attention! Use only interfaces without LEDs for the direct **output** 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 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	6ES7223-1BF22-0AX0	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				
	6ES223-1PM22-0XA0	32 DI	7789100xxx	2	H2016	2				
		32 DO	7789104xxx	2	R2416	2				
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 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 [A]	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 [A]	16 DI	7789210xxx	1	R2416	1				
	6ES7321-7BH01-0AB0 [A]	16 DI	7789210xxx	1	R2416	1				
	6ES7321-7BH80-0AB0 [A]	16 DI	7789210xxx	1	R2416	1				
	6ES7321-7RD00-0AB0 [B]	16 DI	7789801xxx	1	H20	1				
DO	6ES7322-1BF00-0AA0	8 DO	7789239xxx	1	H2008	1			O2008	1
	6ES7322-1BF01-0AA0	8 DO	7789239xxx	1	H2008	1			O2008	1
	6ES7322-1BH00-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1
	6ES7322-1BH01-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1
	6ES7322-1BH10-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1
	6ES7322-1BH81-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1
	6ES7322-1BL00-0A00	32 DO	7789236xxx	1	H2016	2			O2016	2
	6ES7322-1BP00-0AA0	64 DO	7789246xxx	2	H2016	4			O2016	4
	6ES7322-1BP50-0AA0 [C]	64 DO	7789246xxx	2	H2016	4			O2016	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 [D]	4 DO	7789192xxx	1	H2016	1				
	6ES7322-5SD00-0AB0 [D]	4 DO	7789192xxx	1	H2016	1				
	6ES7322-8BF00-0AB0	8 DO, without redundancy	7789239xxx	1	H2008	1			O2008	1
	6ES7322-8BF00-0AB0	8 DO, with redundancy	7789830xxx	1	H2008	1			O2008	1
	6ES7322-8BH01-0AB0	16 DO, without redundancy	7789729xxx	1	H2016	1			O2016	1
	6ES7322-8BH01-0AB0	16 DO, with redundancy	7789730xxx	1	H2016	1			O2016	1
DI/DO	6ES7323-1BH00-0A00	8 DI	7789237xxx	1	H2008	1				
		8DO			H2008	1			O2008	1
	6ES7323-1BH01-00A0	8 DI	7789237xxx	1	H2008	1				
		8 DO			H2008	1			O2008	1
	6ES7323-1BH80-0AA0	8 DI	7789237xxx	1	H2008	1				
		8 DO			H2008	1			O2008	1
	6ES7323-1BH80-0A00	8 DI	7789237xxx	1	H2008	1				
		8 DO			H2008	1			O2008	1
	6ES7323-1BL00-0AA0	16 DI	7789236xxx	1	H2016	1	I2016	1		
		16 DO			H2016	1			O2016	1

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	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	8AI	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				
	6ES7331-7PF00-0AB0 E)	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 E)	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 B)	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 B)	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 B)	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 B)	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 B)	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 B)	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 B)	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 B)	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				
	6ES7334-0KE00-0AB0	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			O2008	1
	6ES7312-5BD01-0AB0	10 DI	7789221xxx	1	H2012	1				
		6 DO			H2008	1			O2008	1
	6ES7312-5BE03-0AB0	10 DI	7789221xxx	1	H2012	1				
		6 DO			H2008	1			O2008	1
	6ES7313-5BE00-0AB0	16 DI	7789222xxx	1	H2016	1				
		16 DO			H2016	1			O2016	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			O2016	1
		8 DI	7789223xxx	1	H2008	1				
		5 AI + 2 AO			A2508P	1				

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	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 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		
	6ES7421-7DH00-0AB0	16 DI	7789278xxx	1	R3632	1				
DO	6ES7422-1BH10-0AA0	16 DO	7789291xxx	1	H2016	1			O2016	1
	6ES7422-1BH11-0AA0	16 DO	7789291xxx	1	H2016	1			O2016	1
	6ES7422-1BL00-0AA0	32 DO	7789292xxx	1	H2016	2			O2016	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				
	6ES7422-5EH10-0AB0	16 DO	7789291xxx	1	H2016	1			O2016	1
	6ES7422-7BL00-0AB0	32 DO	7789292xxx	1	H2016	2			O2016	2
AI	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				
	6ES7431-7KF10-0AB0	16 AI	7789284xxx	1	A3716	1				
	6ES7431-7QH00-0AB0	16 AI	7789284xxx	1	A3716	1				
AO	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.weidmueller.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
DI/DO	6ES7223-1PH30-0XB0	8 DI	1329180xxx	1	H2008	1				
		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
AI	6ES7231-4HD30-0XB0	4 AI	1329250xxx	1	A1504	1				
	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	1329300xxx	1	A2508	1				
		2 AO								
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 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: Screw	Connection: Tension clamp connection	LED by channel	Disconnectable	Fuse	Order No.	Type	Page
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 I-L H S	A.44
				✓	✓	⟷		1311780000	RS 16IO 1W I-L H Z	A.44
		2-wire	✓					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 I H S	A.46
			✓		✓	⟷		9445750000	RS 16IO 2W I-L H S	A.46
				✓		⟷		1311820000	RS 16IO 2W I H Z	A.46
				✓	✓	⟷		1311830000	RS 16IO 2W I-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
	R2416	1-wire	✓					9441500000	RS 16IO 1W R S	A.49
			✓			⟷		9441860000	RS 16IO 1W I R S	A.49
		2-wire	✓					9441700000	RS 16IO 2W R S	A.50
			✓				▭	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
			✓		✓	⟷		9445870000	RS 32IO 1W I-L H S	A.53
		2-wire	✓		✓			9445930000	RS 32IO 2W L H S	A.54
			✓		✓	⟷		9445950000	RS 32IO 2W I-L H S	A.54
			✓				▭	9445980000	RS 32IO 2W F H S	A.55
		3-wire	✓					9445960000	RS 32IO 3W H S	A.56
			✓		✓			9445970000	RS 32IO 3W L H S	A.56
	R3632	1-wire	✓					9441510000	RS 32IO 1W R S	A.57
			✓			⟷		9441870000	RS 32IO 1W I R S	A.57
		2-wire	✓					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

Note 1: Coding of the interface descriptions

RS
- 8IO: 8 inputs/outputs
- 12IO: 12 inputs/outputs
- 16IO: 16 inputs/outputs
- 32IO: 32 inputs/outputs

1W:1-wire
2W:2-wire
3W:3-wire
Number of wires

(empty): Direct
I: Switch
L: LED
F: Fuse
I-L Switch + LED
F-L: Fuse + LED

H HE connector (ribbon cable)
R: RSV connector

S: Screw
Z: Tension clamp connection

Note 2: 2 units of the following products from the H2016 family can be replaced by 1 unit from the H2032 family

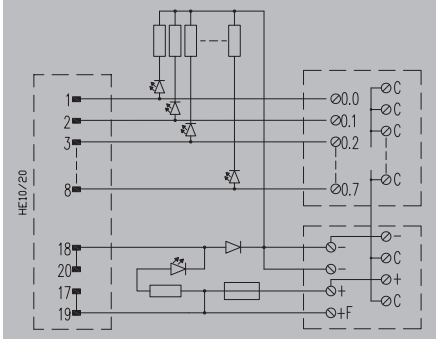
9445700000	RS 16IO 1W H S	2 units		9445900000	RS 32IO 1W H S	1 unit
9445710000	RS 16IO 1W L H S	2 units		9445910000	RS 32IO 1W L H S	1 unit
9445810000	RS 16IO 1W I-L H S	2 units		9445870000	RS 32IO 1W I-L H S	1 unit
9445730000	RS 16IO 2W L H S	2 units		9445930000	RS 32IO 2W L H S	1 unit
9445750000	RS 16IO 2W I-L H S	2 units		9445950000	RS 32IO 2W I-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 - 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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
LED status display per channel	green
LED status of the supply voltage	yellow
Fuse per channel	No
Power supply fuse	3.15 A
Type of test point	No
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	2 A
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
Pulse voltage test (1,2/50µs)	0.8 kV

Dimensions	Screw connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	74 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used

Ordering data

	Type	Height	Order No.
Screw connection with LED	RS 8IO 2W L H S	72 mm	9445530000

Note

Accessories

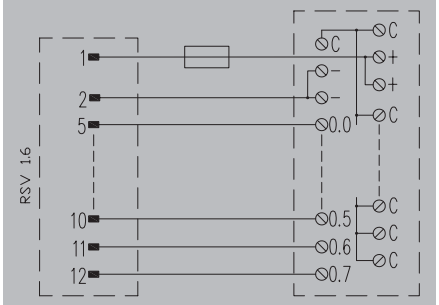
Note

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	Connector RSV 1.6
Number of poles (control side)	12-pole socket
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 ± 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 (1,2/50µs)	2.1 kV

Dimensions	Screw connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	68 mm / 87 mm
Note	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	RS 8IO 2W R S	72 mm	9441540000

Note

Accessories

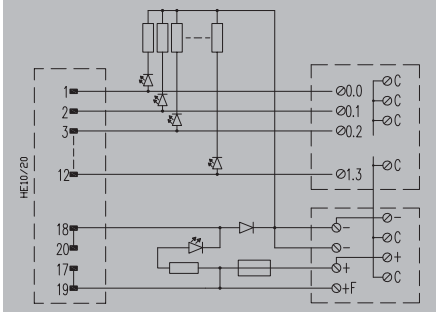
Note

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
LED status display per channel	green
LED status of the supply voltage	yellow
Fuse per channel	No
Power supply fuse	3.15 A
Type of test point	No
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	2 A
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
Pulse voltage test (1,2/50µs)	0.8 kV

Dimensions	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	95 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used

Ordering data

	Type	Height	Order No.
Screw connection with LED	RS 12IO 2W L H S	72 mm	9445630000

Note

Accessories

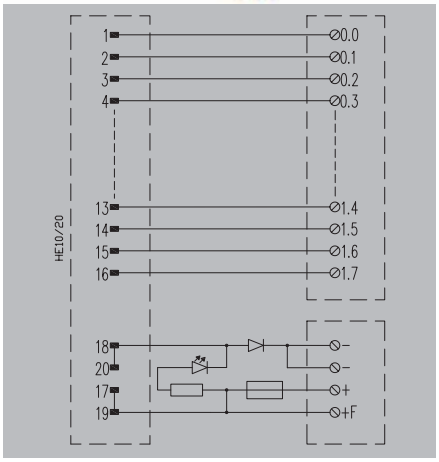
Note

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

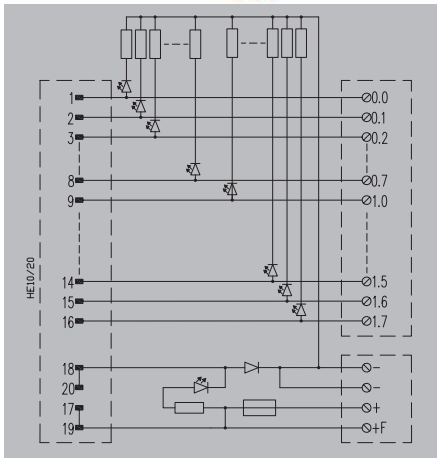
RS 16IO 1W H

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	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug	20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	46 mm / 87 mm	46 mm / 87 mm	46 mm / 87 mm	46 mm / 87 mm
Note				

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RS 16IO 1W H S	72 mm	**9445700000**			
Screw connection with LED				RS 16IO 1W L H S	72 mm	**9445710000**
Tension-clamp connection without LED	RS 16IO 1W H Z	72 mm	**1311750000**			
Tension-clamp connection with LED				RS 16IO 1W L H Z	72 mm	**1311770000**
Note						

Accessories

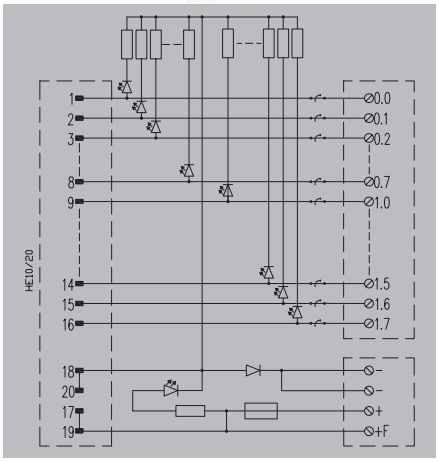
Note		

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
LED status display per channel	green
LED status of the supply voltage	yellow
Fuse per channel	No
Power supply fuse	3.15 A
Type of test point	No
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	2 A
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
Pulse voltage test (1,2/50µs)	0.8 kV

Dimensions	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.14 mm² / 1.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.14 mm² / 1.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	110 mm / 87 mm	110 mm / 87 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without LED			
Screw connection with LED	RS 16IO 1W I-L H S	72 mm	**9445810000**
Tension-clamp connection without LED			
Tension-clamp connection with LED	RS 16IO 1W I-L H Z	72 mm	**1311780000**
Note			

Accessories

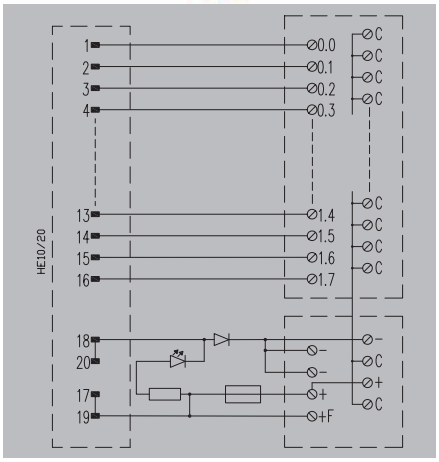
Note

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

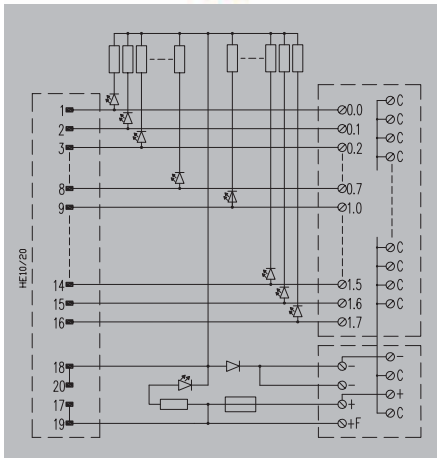
RS 16IO 2W H

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	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug	20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	**Screw connection**	**Tension clamp connection**	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	87 mm / 87 mm	87 mm / 87 mm	87 mm / 87 mm	87 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	**Height**	**Order No.**	**Type**	**Height**	**Order No.**
Screw connection without LED	RS 16IO 2W H S	72 mm	**9445720000**			
Screw connection with LED				RS 16IO 2W L H S	72 mm	**9445730000**
Tension-clamp connection without LED	RS 16IO 2W H Z	72 mm	**1311790000**			
Tension-clamp connection with LED				RS 16IO 2W L H Z	72 mm	**1311800000**
Note						

Accessories

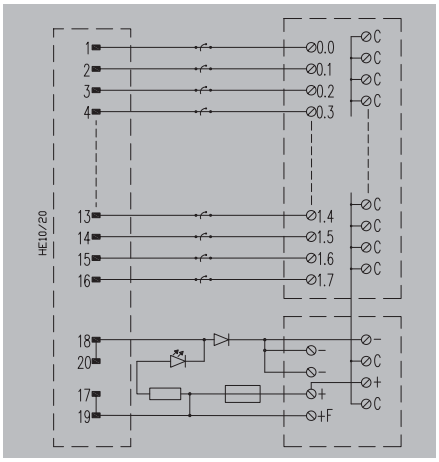
Note		

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

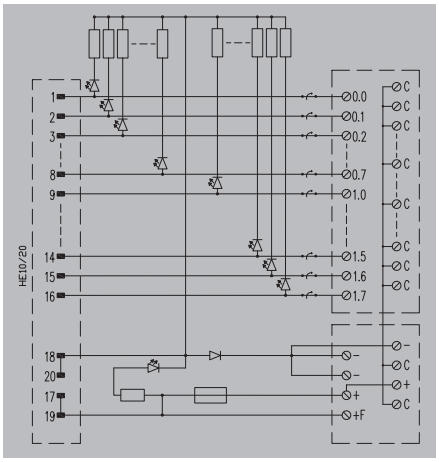
RS 16IO 2W I H

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	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug	20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	95 mm / 87 mm	95 mm / 87 mm	95 mm / 87 mm	95 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RS 16IO 2W I H S	72 mm	**1311810000**			
Screw connection with LED				RS 16IO 2W I-L H S	72 mm	**9445750000**
Tension-clamp connection without LED	RS 16IO 2W I H Z	72 mm	**1311820000**			
Tension-clamp connection with LED				RS 16IO 2W I-L H Z	72 mm	**1311830000**
Note						

Accessories

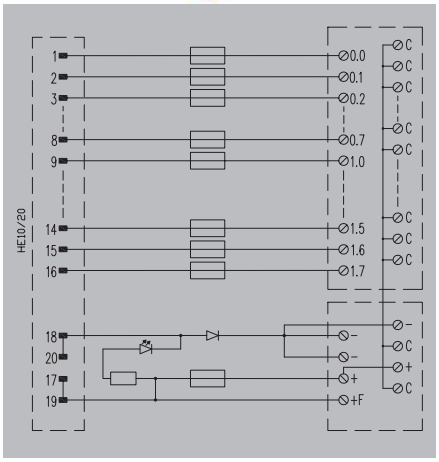
Note		

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

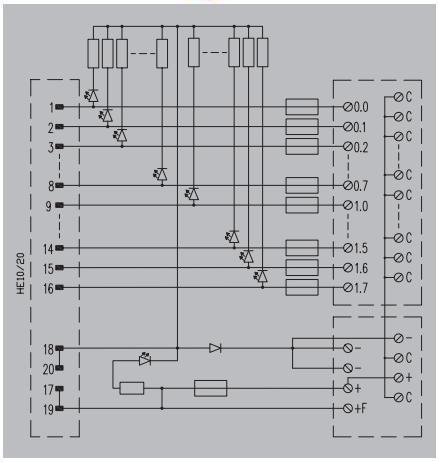
RS 16IO 2W F H

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	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug	20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	500 mA	500 mA
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals		CE
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	122 mm / 87 mm	122 mm / 87 mm	122 mm / 87 mm	122 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RS 16IO 2W F H S	72 mm	**9445820000**			
Screw connection with LED				RS 16IO 2W F-L H S	72 mm	**1311850000**
Tension-clamp connection without LED	RS 16IO 2W F H Z	72 mm	**1311840000**			
Tension-clamp connection with LED				RS 16IO 2W F-L H Z	72 mm	**1311870000**
Note						

Accessories

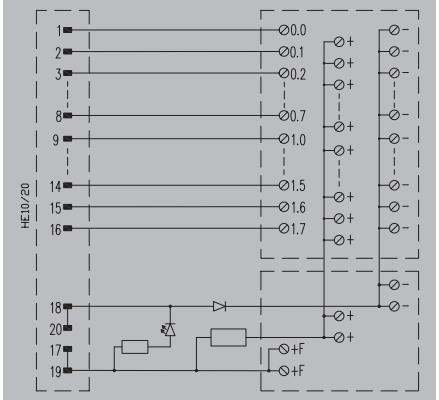
Note		

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

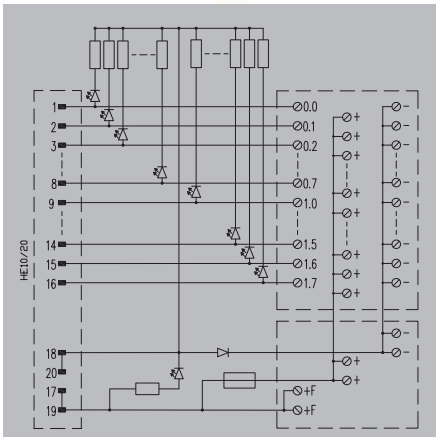
RS 16IO 3W H

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	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug	20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	90 mm / 87 mm	90 mm / 87 mm	90 mm / 87 mm	90 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RS 16IO 3W H S	72 mm	**9445760000**			
Screw connection with LED				RS 16IO 3W L H S	72 mm	**9445770000**
Tension-clamp connection without LED	RS 16IO 3W H Z	72 mm	**1311880000**			
Tension-clamp connection with LED				RS 16IO 3W L H Z	72 mm	**1311890000**
Note						

Accessories

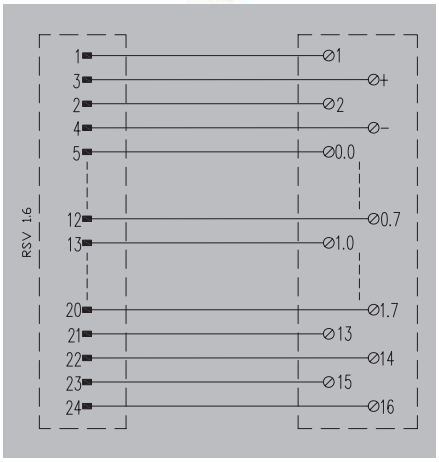
Note		

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

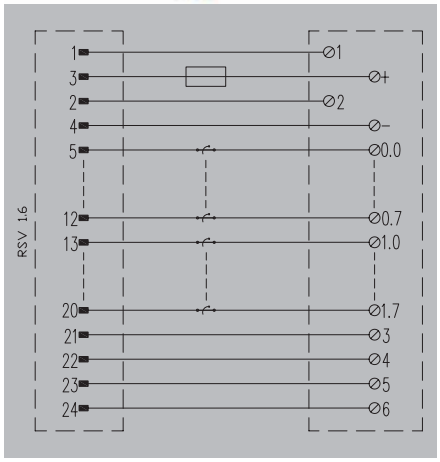
RS 16IO 1W R

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	Connector RSV 1.6	Connector RSV 1.6
Number of poles (control side)	24-pole female	24-pole female
LED status display per channel	No	No
LED status of the supply voltage	No	No
Fuse per channel	No	No
Power supply fuse	No	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	150 V UC	250 V UC
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 150 V AC	< 250 V AC
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	2.1 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	97 mm / 87 mm	127 mm / 87 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without LED	RS 16IO 1W R S	68 mm	9441500000
	RS 16IO 1W I R S	72 mm	9441860000

Note

Accessories

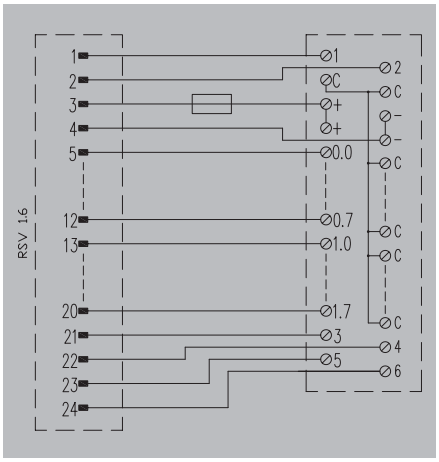
Note

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

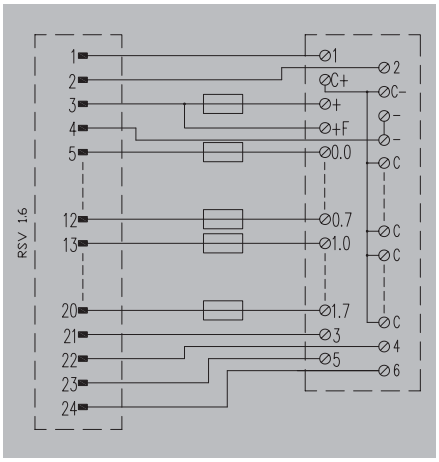
RS 16IO 2W R

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	Connector RSV 1.6	Connector RSV 1.6
Number of poles (control side)	24-pole female	24-pole female
LED status display per channel	No	No
LED status of the supply voltage	No	No
Fuse per channel	No	1 A
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Rated voltage (text)	150 V UC	150 V UC
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 150 V AC	< 150 V AC
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	1.5 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 2.5 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	123 mm / 87 mm	123 mm / 109 mm
Note	The common C may carry up to 3 A if the external jumpers are not used	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	RS 16IO 2W R S	72 mm	9441700000
	RS 16IO 2W F R S	72 mm	9441560000

Note

Accessories

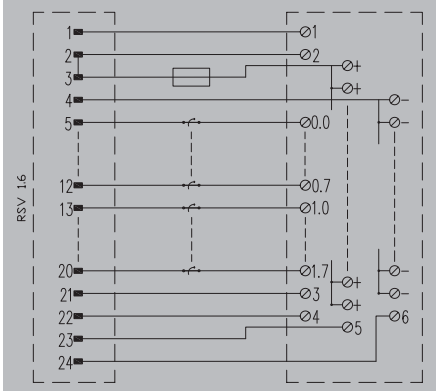
Note

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 ± 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 (1,2/50µs)	2.1 kV

Dimensions	Screw connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
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.
Screw connection without LED	RS 16IO 3W I R S	84 mm	9441600000

Note

Accessories

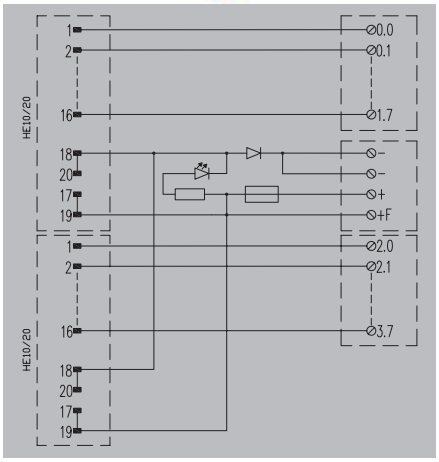
Note

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

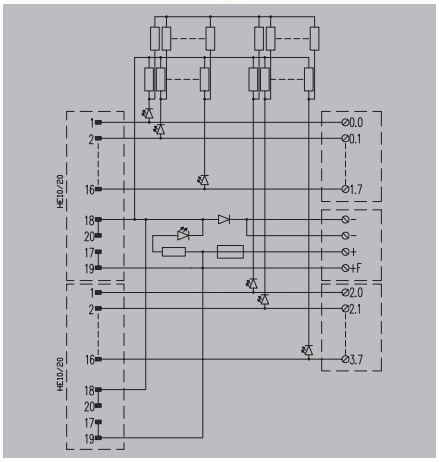
RS 32IO 1W H

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	2x Plug-in connector acc. IEC 603-1 / DIN 41651	2x Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	2x20-pole plug	2x20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
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
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	90 mm / 87 mm	90 mm / 87 mm
Note		

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RS 32IO 1W H S	72 mm	**9445900000**			
Screw connection with LED				RS 32IO 1W L H S	72 mm	**9445910000**

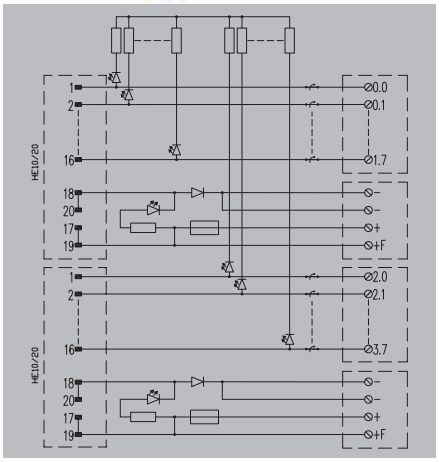
Note

Accessories

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 ± 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 mm² / 6 mm²
0.13 mm² / 6 mm²
TS 32, TS 35
220 mm / 87 mm

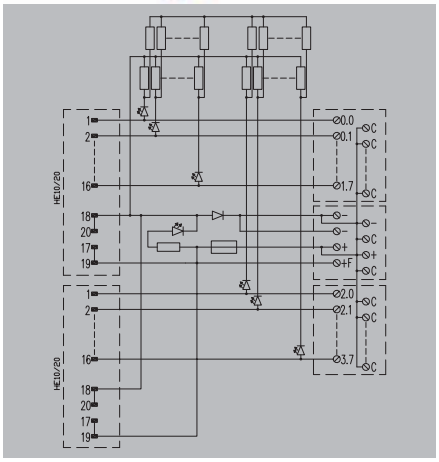
Type	Height	Order No.
RS 32IO 1W I-L H S	72 mm	**9445870000**

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

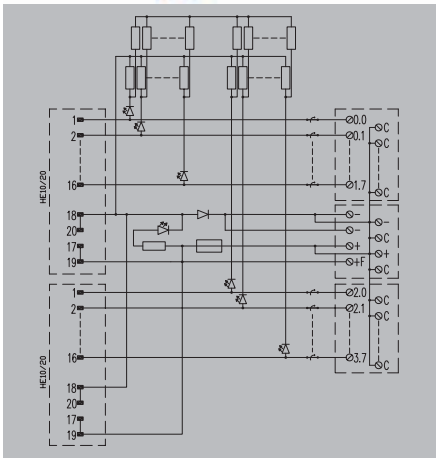
RS 32IO 2W L H

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	2x Plug-in connector acc. IEC 603-1 / DIN 41651	2x Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	2x20-pole plug	2x20-pole plug
LED status display per channel	green	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	24 V DC ± 10%	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
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
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	170 mm / 87 mm	170 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used	The common C may carry up to 3 A if the external jumpers are not used

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED						
Screw connection with LED	RS 32IO 2W L H S	72 mm	**9445930000**	RS 32IO 2W I-L H S	72 mm	**9445950000**

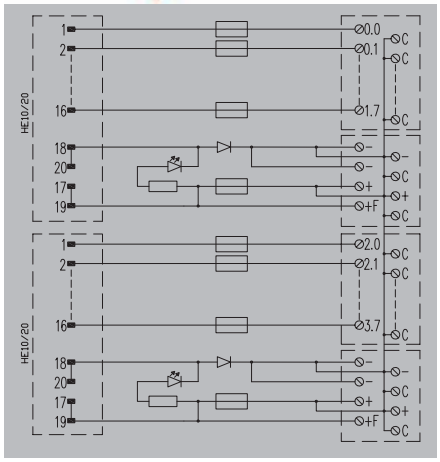
Note

Accessories

Note

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
Screw connection
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

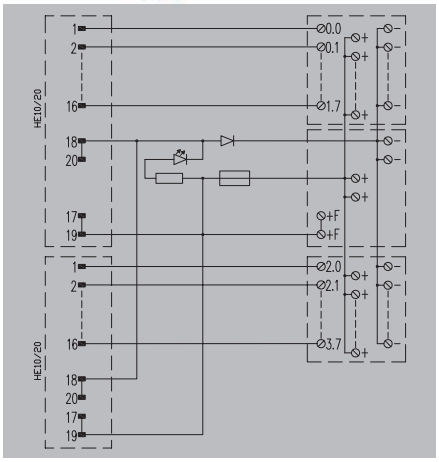
Type	Height	Order No.
RS 32IO 2W F H S	72 mm	**9445980000**

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

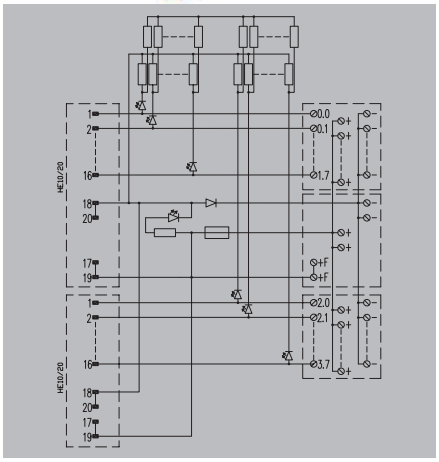
RS 32IO 3W H

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	2x Plug-in connector acc. IEC 603-1 / DIN 41651	2x Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	2x20-pole plug	2x20-pole plug
LED status display per channel	No	green
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	25 V AC / 50 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	2 A	2 A
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
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	176 mm / 87 mm	176 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used	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	RS 32IO 3W H S	72 mm	**9445960000**
Screw connection with LED			

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

Note

Accessories

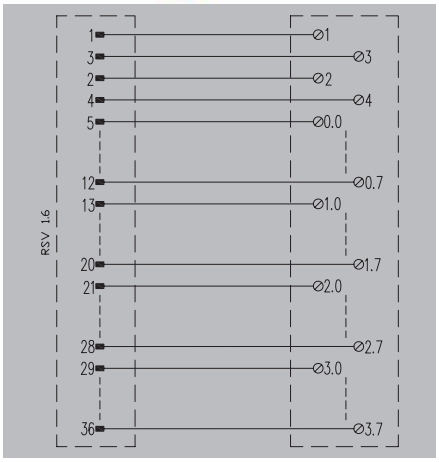
Note

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

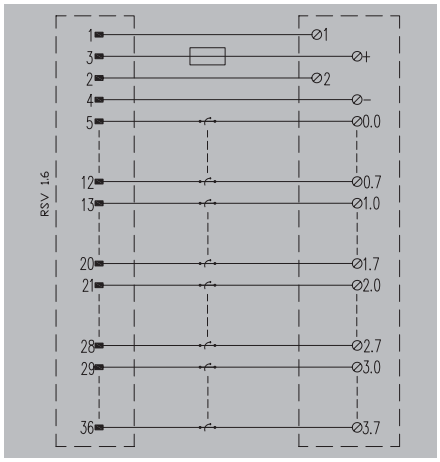
RS 32IO 1W R

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	Connector RSV 1.6	Connector RSV 1.6
Number of poles (control side)	36-pole female	36-pole female
LED status display per channel	No	No
LED status of the supply voltage	No	No
Fuse per channel	No	No
Power supply fuse	No	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	150 V UC	250 V UC
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
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	< 150 V AC	< 250 V AC
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	2.1 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	148 mm / 87 mm	188 mm / 87 mm
Note		

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RS 32IO 1W R S	72 mm	**9441510000**	RS 32IO 1W I R S	72 mm	**9441870000**

Note

Accessories

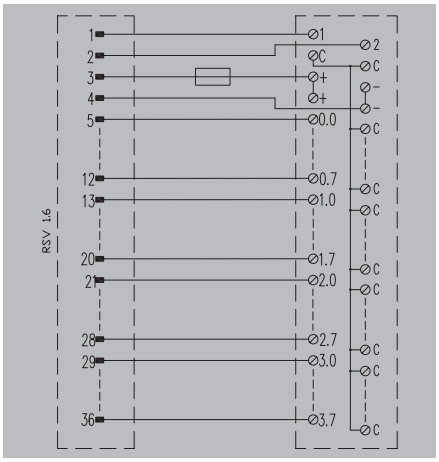
Note

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

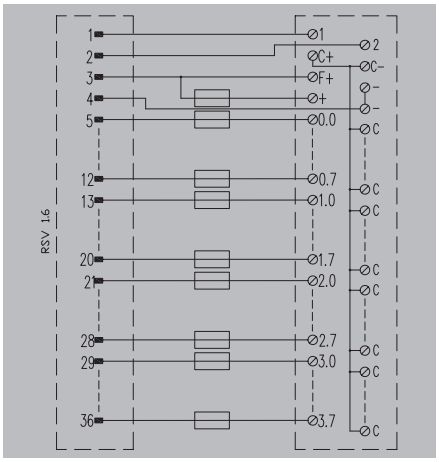
RS 32IO 2W R

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	Connector RSV 1.6	Connector RSV 1.6
Number of poles (control side)	36-pole female	36-pole female
LED status display per channel	No	No
LED status of the supply voltage	No	No
Fuse per channel	No	2 A
Power supply fuse	3.15 A	3.15 A
Type of test point	No	No
Rated data		
Operating voltage	150 V UC	150 V UC
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
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	< 150 V AC	< 150 V AC
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	1.5 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	200 mm / 87 mm	200 mm / 109 mm
Note	The common C may carry up to 3 A if the external jumpers are not used	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	RS 32IO 2W R S	72 mm	**9441710000**
	RS 32IO 2W F R S	84 mm	**9441570000**

Note

Accessories

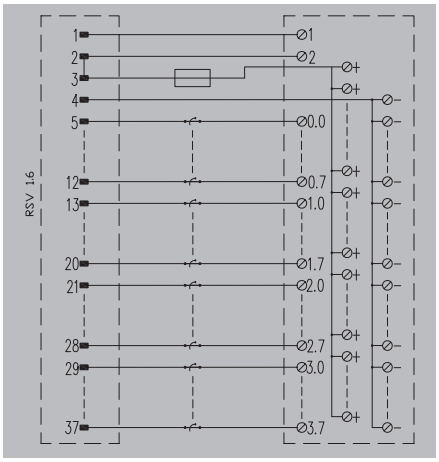
Note

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



Technical data

Connection data and functionality	
Connection on control side	Connector RSV 1.6
Number of poles (control side)	36-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	150 V UC
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE
Insulation coordination (EN50178)	
Rated insulation voltage	< 150 V AC
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 kV

Dimensions	Screw connection
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35
Length x width	188 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.
Screw connection without LED	RS 32IO 3W I R S	84 mm	9441610000

Note

Accessories

Note

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	●		●			9448000000	RS 4AIO DP SD S	A.61
			●	●			1308230000	RS 4AIO DP SD Z	A.61
		●		●	●	●	9448100000	RS 4AIO I-M-DP SD S	A.61
			●	●	●	●	1308240000	RS 4AIO I-M-DP SD Z	A.61
4-channels M	A1504M	●					1289090000	RS 4AIO DP-M258 SD S	A.62
8-channel	A2508	●		●			9448010000	RS 8AIO DP SD S	A.63
			●	●			1308250000	RS 8AIO DP SD Z	A.63
		●		●	●	●	9448110000	RS 8AIO I-M-DP SD S	A.63
			●	●	●	●	9449110000	RS 8AIO I-M-DP SD Z	A.63
8-channel P	A2508P	●		●	●		9448030000	RS 8AI PREM/APR SD S	A.64
8-channel M	A2508M	●					9448040000	RS 8AI1AO MICRO SD S	A.64
16-channel	A3716	●		●			9448020000	RS 16AIO DP SD S	A.65
			●	●			1308270000	RS 16AIO DP SD Z	A.65
		●		●	●	●	9448120000	RS 16AIO I-M-DP SD S	A.65
			●	●	●	●	1308280000	RS 16AIO I-M-DP SD Z	A.65

Note: **Coding of the interface descriptions**

RS 4AIO: 4 inputs/outputs
8AIO: 8 inputs/outputs
8AI: 8 inputs
8AI1AO: 8 inputs/1 outputs
16AIO: 16 inputs/outputs

DP: Power distribution
(empty)

I-M: Switch + Test point
M258: For Schneider M258
PREM/APR: For Schneider Premium
MICRO: For Schneider Micro (empty)

SD connector SUB-D

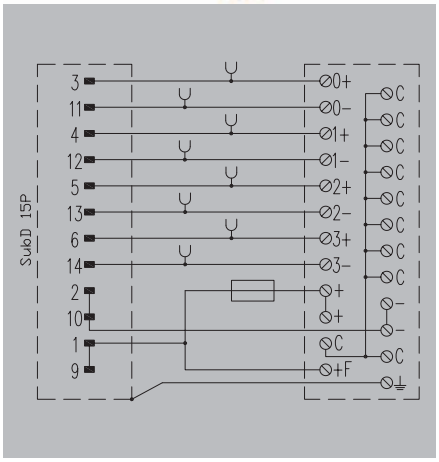
S: Screw
Z: Tension clamp connection

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

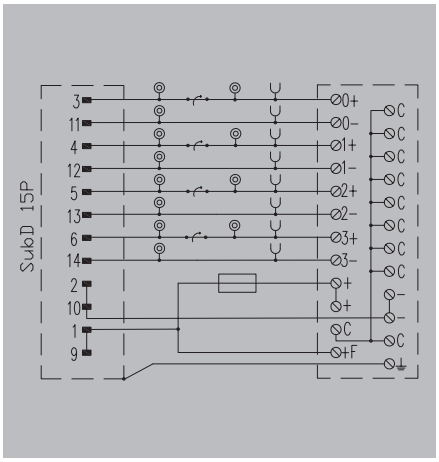
RS 4AIO DP SD

4 channels



RS 4AIO I-M-DP SD

4 channels, test points and disconnection per channel



Technical data

Connection data and functionality		
Connection on control side	SUB-D plug, in compliance with IEC 807-2 / DIN 41652	SUB-D plug, in compliance with IEC 807-2 / DIN 41652
Number of poles (control side)	15-pole plug	15-pole plug
LED status display per channel	No	No
LED status of the supply voltage	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	Diameter: 4 mm
Rated data		
Operating voltage	≤ 25 V AC / 50 V DC	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A	0.5 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
General data		
Ambient temperature (operational)	-20...+50°C	-20...+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
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	75 mm / 87 mm	75 mm / 87 mm	73 mm / 109 mm	73 mm / 109 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	RS 4AIO DP SD S	72 mm	**9448000000**	RS 4AIO I-M-DP SD S	81 mm	**9448100000**
Tension clamp connection	RS 4AIO DP SD Z	72 mm	**1308230000**	RS 4AIO I-M-DP SD Z	81 mm	**1308240000**

Note

Accessories

Note

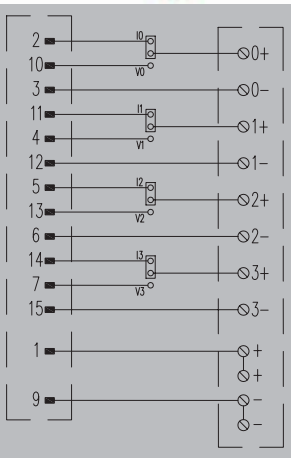
RSA - Interface for 4 analogue signals for Schneider M258

Analogue input/output passive interface:

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

RS 4AIO DP-M258 SD

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



Technical data

Connection data and functionality	
Connection on control side	SUB-D plug, in compliance with IEC 807-2 / DIN 41652
Number of poles (control side)	15-pole plug
LED status display per channel	No
LED status of the supply voltage	No
Power supply fuse	No
Type of test point	No
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
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	Screw connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	45 mm / 70 mm
Note	

Ordering data

	Type	Height	Order No.
Screw connection	RS 4AIO DP-M258 SD S	60 mm	**1289090000**

Note

Accessories

Note

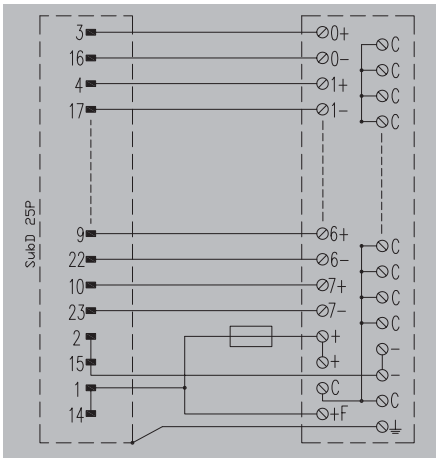
RSA - Interface for 8 analogue signals

Analogue input/output passive interface:

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

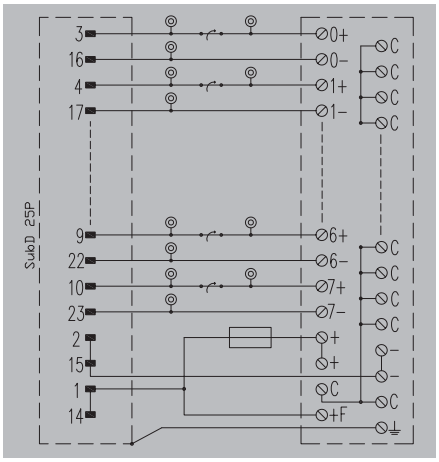
RS 8AIO DP SD

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

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	117 mm / 87 mm	117 mm / 87 mm	114 mm / 109 mm	114 mm / 109 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	RS 8AIO DP SD S	72 mm	**9448010000**	RS 8AIO I-M-DP SD S	81 mm	**9448110000**
Tension clamp connection	RS 8AIO DP SD Z	72 mm	**1308250000**	RS 8AIO I-M-DP SD Z	81 mm	**9449110000**

Note

Accessories

Note

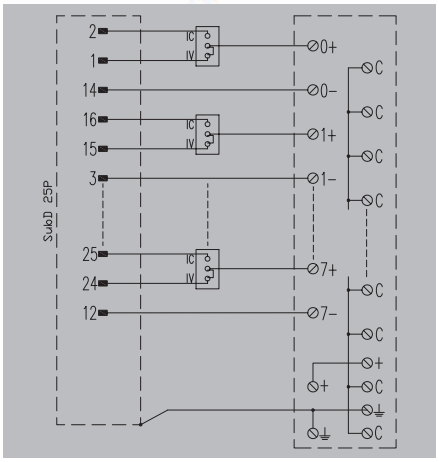
RSA - Interface for 8 and 9 analogue signals for Schneider Micro/Premium

Analogue input/output passive interface:

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

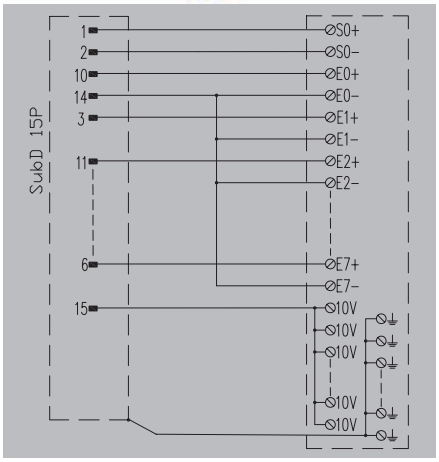
RS 8AI PREM/APR SD

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	SUB-D plug, in compliance with IEC 807-2 / DIN 41652	SUB-D plug, in compliance with IEC 807-2 / DIN 41652
Number of poles (control side)	25-pole plug	15-pole plug
LED status display per channel	No	No
LED status of the supply voltage	No	No
Power supply fuse	No	No
Type of test point	No	No
Rated data		
Operating voltage	≤ 25 V AC / 50 V DC	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A	0.5 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
General data		
Ambient temperature (operational)	-20...+50°C	-20...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions	**Screw connection**	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	116 mm / 87 mm	100 mm / 87 mm
Note	The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.
Screw connection	RS 8AI PREM/APR SD S	72 mm	**9448030000**

	Type	Height	Order No.
Screw connection	RS 8AI1AO MICRO SD S	72 mm	**9448040000**

Note

Accessories

Note

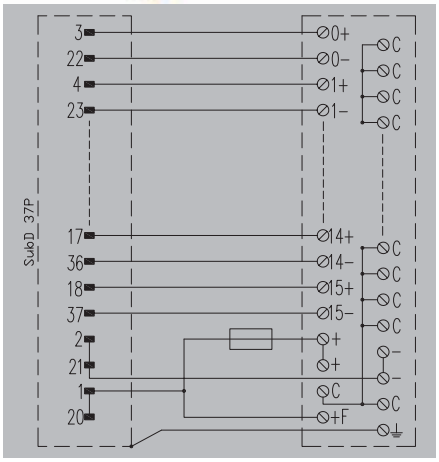
RSA - Interface for 16 analogue signals

Analogue input/output passive interface:

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

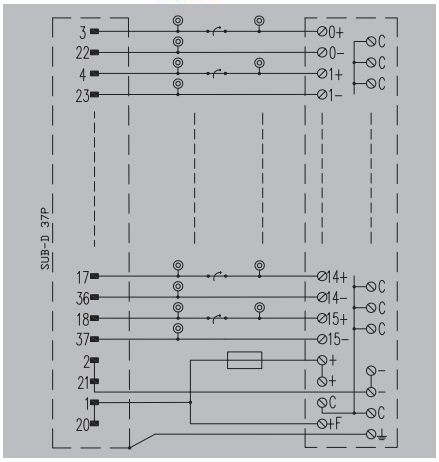
RS 16AIO DP SD

16 channels



RS 16AIO I-M-DP SD

16 channels, test points and disconnection per channel



Technical data

Connection data and functionality		
Connection on control side	SUB-D plug, in compliance with IEC 807-2 / DIN 41652	SUB-D plug, in compliance with IEC 807-2 / DIN 41652
Number of poles (control side)	37-pole plug	37-pole plug
LED status display per channel	No	No
LED status of the supply voltage	No	No
Power supply fuse	3.15 A	3.15 A
Type of test point	No	Diameter: 4 mm
Rated data		
Operating voltage	≤ 25 V AC / 50 V DC	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A	0.5 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	3 A	3 A
General data		
Ambient temperature (operational)	-20...+50°C	-20...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	205 mm / 87 mm	205 mm / 87 mm	197 mm / 109 mm	197 mm / 109 mm
Note	The common C may carry up to 3 A if the external jumpers are not used		The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	RS 16AIO DP SD S	81 mm	**9448020000**	RS 16AIO I-M-DP SD S	81 mm	**9448120000**
Tension clamp connection	RS 16AIO DP SD Z	72 mm	**1308270000**	RS 16AIO I-M-DP SD Z	81 mm	**1308280000**

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								

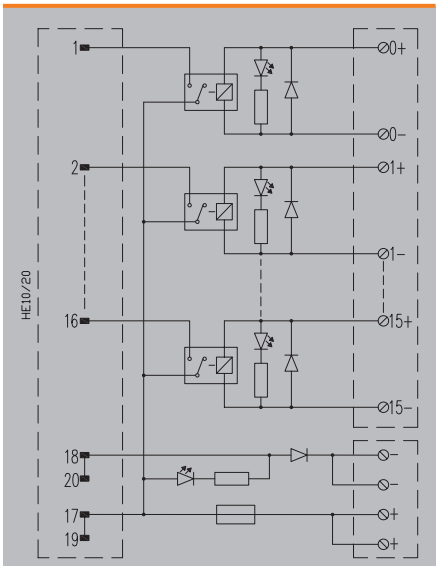
RSM - isolated interfaces for 16 digital input signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Power supply fuse	2 A
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, gold flashed
Operating voltage	24 V DC ± 10%
Max. DC continuous current	0.1 A
Minimum contact current	1 mA
Minimum contact voltage	1 V
Mechanical service life	5 x 10^6 switching cycles
General data	
Ambient temperature (operational)	-20...+50°C
Storage temperature	-20...+70 °C
Approvals	CE
Insulation coordination (EN50178)	
Rated input insulation voltage	≤ 50 V DC
Rated output insulation voltage	≤ 50 V DC
Overvoltage category input/output	III
Overvoltage category input/input	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 kV
Insulation test voltage	0.35 kVAC
Clearance input/output	≥ 6 mm

Dimensions	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	124 mm / 109 mm	124 mm / 109 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-16DI 24VDC S	72 mm	**1312000000**
Tension-clamp connection without switch	RSM-16DI 24VDC Z	72 mm	**1312010000**

Note

Accessories

Note	
	Relay 4061590000 RSS 24 V DC 1CO AU

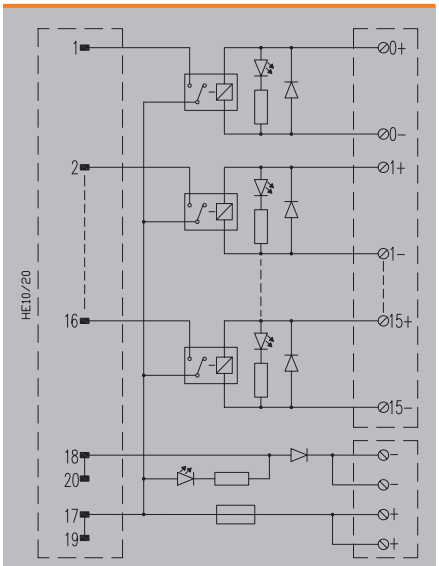
RSM - isolated interfaces for 16 digital input signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Power supply fuse	2 A
Nominal input data	
Input voltage	48 V DC ± 10%
Input current	10 mA
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	2 A
Nominal output data	
Contact material	AgNi, gold flashed
Operating voltage	24 V DC ± 10%
Max. DC continuous current	0.1 A
Minimum contact current	2 mA
Minimum contact voltage	5 V
Mechanical service life	10 x 10^6 switching cycles
General data	
Ambient temperature (operational)	-20...+50°C
Storage temperature	-20...+70 °C
Approvals	CE
Insulation coordination (EN50178)	
Rated input insulation voltage	≤ 50 V DC
Rated output insulation voltage	≤ 50 V DC
Overvoltage category input/output	III
Overvoltage category input/input	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 kV
Insulation test voltage	0.35 kVAC
Clearance input/output	≥ 6 mm

Dimensions	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	124 mm / 109 mm	124 mm / 109 mm
Note		

Ordering data

	Type	**Height**	**Order No.**
Screw connection without switch	RSM-16DI 48VDC S	72 mm	**1312020000**
Tension-clamp connection without switch	RSM-16DI 48VDC Z	72 mm	**1312030000**

Note

Accessories

Note

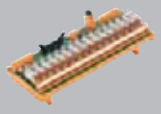
RSM – Selection guide for insulated interfaces for digital output signals

Type of Interface		Features								Interfaces		
Number of channels	Family	Design	Connection: Screw	Connection: Tension clamp connection	Voltage	Type of contact	Fuse	Switch (coil)	Switch (contact)	Order No.	Type	Page
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:**

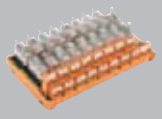
Relays with 6 mm relay

1 line



RCL Relays arranged in 1 single line

2 lines



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

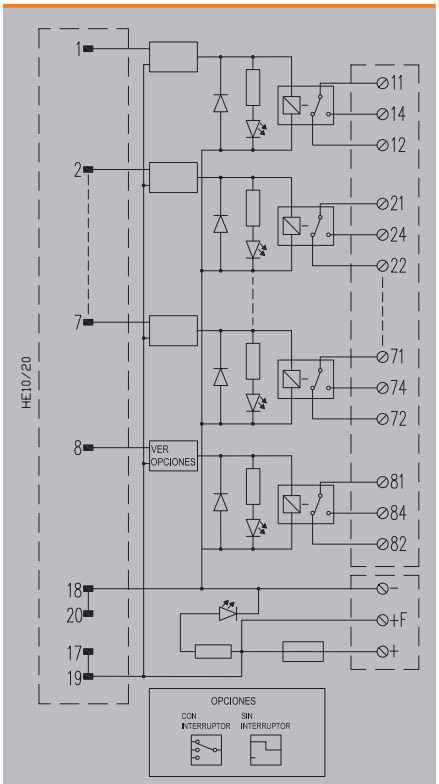
RSM - Interfaces
for 8 isolated digital output signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	2.5 A
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 10^6 switching cycles
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE
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	**Screw connection** / **Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm² / 0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm² / 0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35 / TS 32, TS 35
Length x width	75 mm / 109 mm / 75 mm / 109 mm
Note	

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-8 PLC C 1CO S	85 mm	**1128970000**
Screw connection with switch	RSM-8 PLC C SW 1CO S	85 mm	**1128990000**
Tension-clamp connection without switch	RSM-8 PLC C 1CO Z	80 mm	**1128980000**
Tension-clamp connection with switch	RSM-8 PLC C SW 1CO Z	80 mm	**1129000000**
Note			

Accessories

Note	Relay 4060120000 RSS 24 V DC 1CO

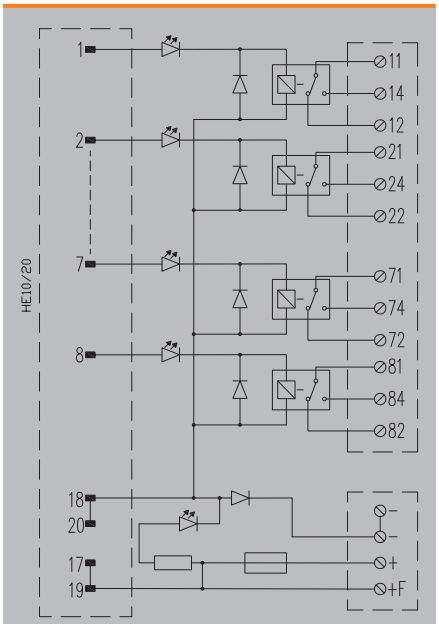
RSM - Interfaces for 8 isolated digital output signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651	
Number of poles (control side)	20-pole plug	
Relay type	RCL	
LED status display per relay	green	
LED status of the supply voltage	yellow	
Fuse per relay	No	
Power supply fuse	3.15 A	
Nominal input data		
Input voltage	24 V DC ± 10%	
Input current	20 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	5 A	
Minimum contact current	0.01 A	
Minimum contact voltage	12 V	
Mechanical service life	3 x 10^7 switching cycles	
General data		
Ambient temperature (operational)	-25...+50°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	1.2 kVAC	
Clearance input/output	≥ 5.5 mm	
Dimensions	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Length x width	110 mm / 109 mm	110 mm / 109 mm
Note		

Ordering data

	Type	**Height**	**Order No.**
Screw connection without switch	RSM-8 C 1CO S	68 mm	**9445000000**
Screw connection with switch			
Tension-clamp connection without switch	RSM-8 C 1CO Z	68 mm	**9447000000**
Tension-clamp connection with switch			
Note			

Accessories

Note	
	Relay 8693260000 RCL314024 24 V DC 1CO

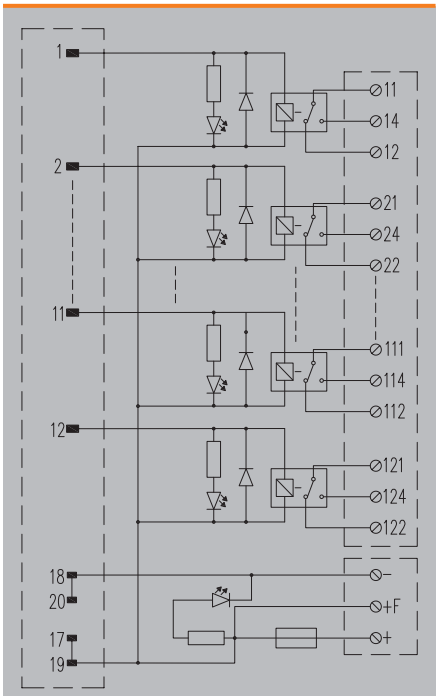
RSM - Interfaces for 12 isolated digital output signals

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 CO contact



Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	2.5 A
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 10^6 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	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	95 mm / 109 mm
Note	

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-12 PLC C 1CO S	85 mm	**1289100000**

Note

Accessories

Note	Relay 4060120000 RSS 24 V DC 1CO

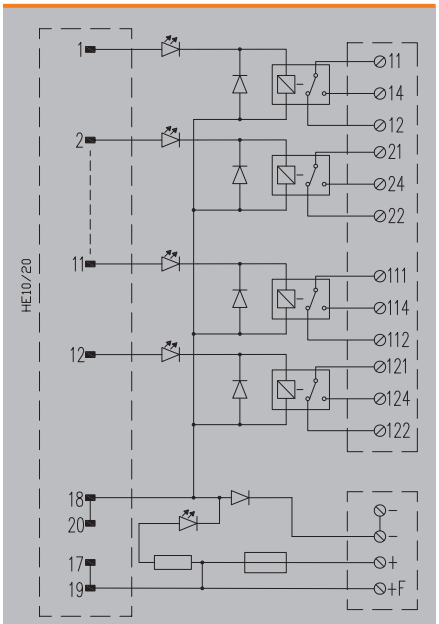
RSM - Interfaces for 12 isolated digital output signals

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 C 1CO S

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



Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RCL
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	3.15 A
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	20 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	5 A
Minimum contact current	0.01 A
Minimum contact voltage	12 V
Mechanical service life	3 x 10^7 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	1.2 kVAC
Clearance input/output	≥ 5.5 mm
Dimensions	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 35, TS 32
Length x width	147 mm / 109 mm
Note	

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-12 C 1CO S	68 mm	9445060000

Note

Accessories

Note	Relay 8693260000 RCL314024 24 V DC 1CO

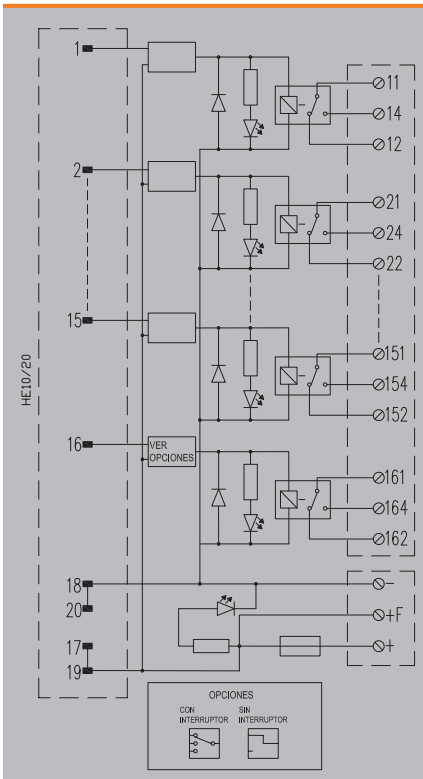
RSM - Interfaces for 16 isolated digital output signals

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 PLC C 1CO

6 mm relay with 1 CO contact and switch



Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	2.5 A
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 10^6 switching cycles
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE
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	**Screw connection** / **Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm² / 0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm² / 0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35 / TS 32, TS 35
Length x width	111 mm / 109 mm / 111 mm / 109 mm
Note	

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-16 PLC C 1CO S	85 mm	**1129010000**
Screw connection with switch	RSM-16 PLC C SW 1CO S	85 mm	**1129030000**
Tension-clamp connection without switch	RSM-16 PLC C 1CO Z	80 mm	**1129020000**
Tension-clamp connection with switch	RSM-16 PLC C SW 1CO Z	80 mm	**1129040000**
Note			

Accessories

Note	Relay 4060120000 RSS 24 V DC 1CO

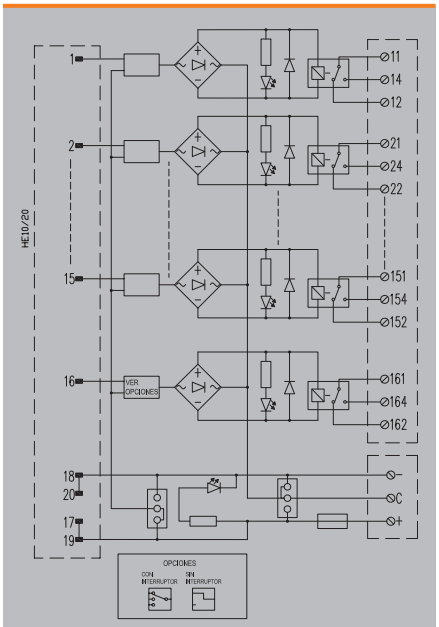
RSM - Interfaces for 16 isolated digital output signals

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 PLC 1CO

6 mm relay with 1 CO contact and switch



Technical data

Connection data and functionality		
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651	
Number of poles (control side)	20-pole plug	
Relay type	RCL	
LED status display per relay	green	
LED status of the supply voltage	yellow	
Fuse per relay	No	
Power supply fuse	2.5 A	
Nominal input data		
Input voltage	24 V DC ± 10%	
Input current	22 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	6 A	
Minimum contact current	0.01 A	
Minimum contact voltage	12 V	
Mechanical service life	3 x 10^7 switching cycles	
General data		
Ambient temperature (operational)	-25...+50°C	
Storage temperature	-40...+60 °C	
Approvals	CE	
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	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	255 mm / 109 mm	255 mm / 109 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-16 PLC 1CO S	68 mm	**1129100000**
Screw connection with switch	RSM-16 PLC SW 1CO S	68 mm	**1129120000**
Tension-clamp connection without switch	RSM-16 PLC 1CO Z	68 mm	**1129110000**
Tension-clamp connection with switch	RSM-16 PLC SW 1CO Z	68 mm	**1129130000**
Note			

Accessories

Note	Relay 8693260000 RCL314024 24 V DC 1CO

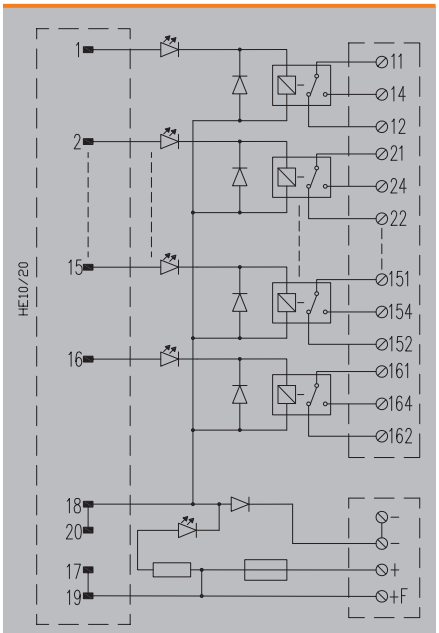
RSM - Interfaces for 16 isolated digital output signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RCL
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	3.15 A
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	20 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	5 A
Minimum contact current	0.01 A
Minimum contact voltage	12 V
Mechanical service life	3 x 10^7 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	1.2 kVAC
Clearance input/output	≥ 5.5 mm

Dimensions	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Length x width	185 mm / 109 mm	185 mm / 109 mm
Note		

Ordering data

	Type	**Height**	**Order No.**
Screw connection without switch	RSM-16 C 1CO S	68 mm	**9445100000**
Screw connection with switch			
Tension-clamp connection without switch	RSM-16 C 1CO Z	68 mm	**9447100000**
Tension-clamp connection with switch			
Note			

Accessories

Note	
Relay 8693260000 RCL314024 24 V DC 1CO	

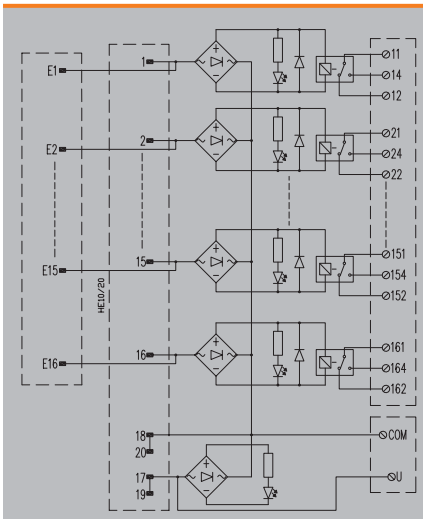
RSM - Interfaces for 16 isolated digital output signals

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 24 V(-/+) 1CO

RCL relays, 24 V DC voltage with 1 CO contact



Technical data

Connection data and functionality		
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651	
Number of poles (control side)	20-pole plug	
Relay type	RCL	
LED status display per relay	green	
LED status of the supply voltage	yellow	
Fuse per relay	No	
Power supply fuse	No	
Nominal input data		
Input voltage	24 V DC ± 10%	
Input current	22 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	5 A	
Minimum contact current	0.01 A	
Minimum contact voltage	12 V	
Mechanical service life	3 x 10^7 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	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Length x width	267 mm / 87.5 mm	267 mm / 87.5 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-16 24V(-/+) 1CO S	68 mm	**9444610000**
Screw connection with switch			
Tension-clamp connection without switch	RSM-16 24V(-/+) 1CO Z	68 mm	**9444660000**
Tension-clamp connection with switch			
Note			

Accessories

Note	Relay 8693260000 RCL314024 24 V DC 1CO

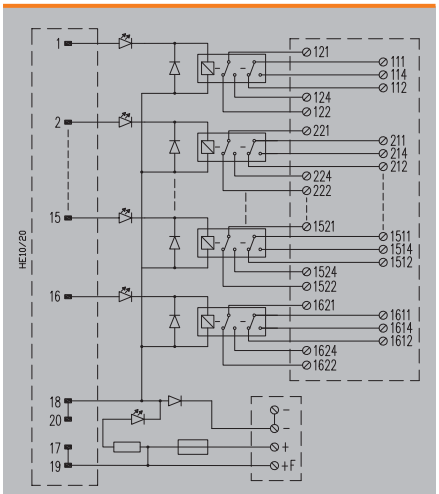
RSM - Interfaces for 16 isolated digital output signals

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 2CO

RCL relays with 2 CO contacts



Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RCL
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	3.15 A
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	17 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	4 A
Minimum contact current	0.01 A
Minimum contact voltage	12 V
Mechanical service life	3 x 10^7 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	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Length x width	263 mm / 109 mm	263 mm / 109 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-16 2CO S	68 mm	**9445160000**
Screw connection with switch			
Tension-clamp connection without switch	RSM-16 2CO Z	68 mm	**9447160000**
Tension-clamp connection with switch			
Note			

Accessories

Note	
	Relay 4058570000 RCL424024 2CO

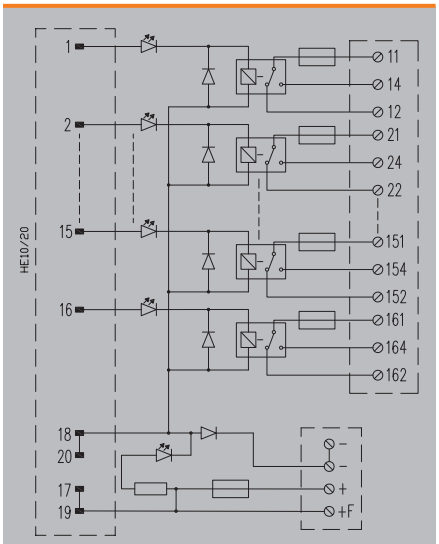
RSM - Interfaces for 16 isolated digital output signals

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 1CO

RCL relays, 1 CO contact with fuse relay contact



Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RCL
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	5 A
Power supply fuse	3.15 A
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	20 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	5 A
Minimum contact current	0.01 A
Minimum contact voltage	12 V
Mechanical service life	3 x 10^7 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	1.2 kVAC
Clearance input/output	≥ 5.5 mm

Dimensions	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.15 mm² / 1.5 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Length x width	261 mm / 109 mm	261 mm / 109 mm
Note		

Ordering data

	Type	**Height**	**Order No.**
Screw connection without switch	RSM-16 FUS 1CO S	75 mm	**9445120000**
Screw connection with switch			
Tension-clamp connection without switch	RSM-16 FUS 1CO Z	75 mm	**9447120000**
Tension-clamp connection with switch			
Note			

Accessories

Note	
	Relay 8693260000 RCL314024 24 V DC 1CO

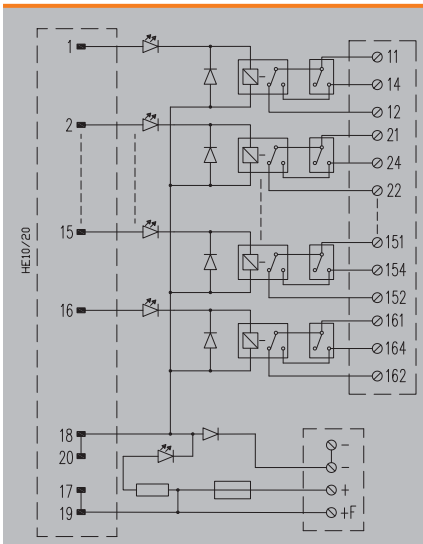
RSM - Interfaces for 16 isolated digital output signals

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 FOR 1CO

RCL relays, 1 CO contact and switch



Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	20-pole plug
Relay type	RCL
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	3.15 A
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	17 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 A
Minimum contact current	0.01 A
Minimum contact voltage	12 V
Mechanical service life	3 x 10^7 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	1.2 kVAC
Clearance input/output	≥ 5.5 mm
Dimensions	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 35, TS 32
Length x width	263 mm / 109 mm
Note	

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-16 FOR 1CO S	75 mm	**9445140000**
Screw connection with switch			
Tension-clamp connection without switch			
Tension-clamp connection with switch			
Note			

Accessories

Note	Relay 8693260000 RCL314024 24 V DC 1CO

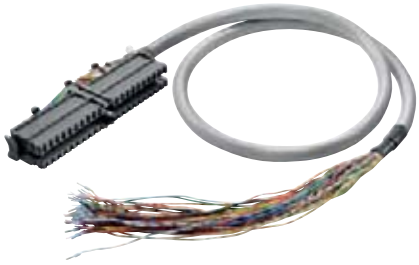
PAC-UNIV Universal pre-asembled cables

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.weidmueller.com

Input/Output cards Siemens S7-300	Cables	Unit/ card
6ES7312-5BD00-0AB0	7789606xxx	1
6ES7312-5BD01-0AB0	7789606xxx	1
6ES7312-5BE03-0AB0	7789606xxx	1
6ES7313-5BE00-0AB0	7789608xxx + 7789609xxx	1+1
6ES7313-5BE01-0AB0	7789608xxx + 7789609xxx	1+1
6ES7313-5BF03-0AB0	7789608xxx + 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 + 7789609xxx	1+1
6ES7314-6BF01-0AB0	7789608xxx + 7789609xxx	1+1
6ES7314-6BF02-0AB0	7789608xxx + 7789609xxx	1+1
6ES7314-6CF00-0AB0	7789608xxx + 7789609xxx	1+1
6ES7314-6CF01-0AB0	7789608xxx + 7789609xxx	1+1
6ES7314-6CF02-0AB0	7789608xxx + 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
6ES7322-1BL00-0A00	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 Siemens S7-300	Cables	Unit/ card
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
6ES7323-1BH01-00A0	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 Rockwell Control-Logix	Cables	Unit/ card
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-OA16	7789731xxx	1
1756-OA16I	7789733xxx	1
1756-OA8	7789731xxx	1
1756-OA8D	7789731xxx	1
1756-OA8E	7789731xxx	1
1756-OB16D	7789733xxx	1
1756-OB16E	7789731xxx	1
1756-OB16I	7789733xxx	1
1756-OB32	7789733xxx	1
1756-OB8	7789731xxx	1
1756-OB8EI	7789733xxx	1
1756-OC8	7789731xxx	1
1756-OF4	7789732xxx	1



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 mm² cross section for analogue cards and un-shielded for digital cards.

Input/Output cards Rockwell Control-Logix	Cables	Unit/ card
1756-OF6CI	7789732xxx	1
1756-OF6VI	7789732xxx	1
1756-OF8	7789732xxx	1
1756-OH8I	7789733xxx	1
1756-ON8	7789731xxx	1
1756-OV16E	7789731xxx	1
1756-OW16I	7789733xxx	1
1756-OX8I	7789733xxx	1

Input/Output cards Omron CJ1W	Cables	Unit/ card
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 Mitsubishi Melsec Q	Cables	Unit/ card
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 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

Field Terminal Assembly (FTA)

New interfaces for the Honeywell Experion® PKS C300 controller

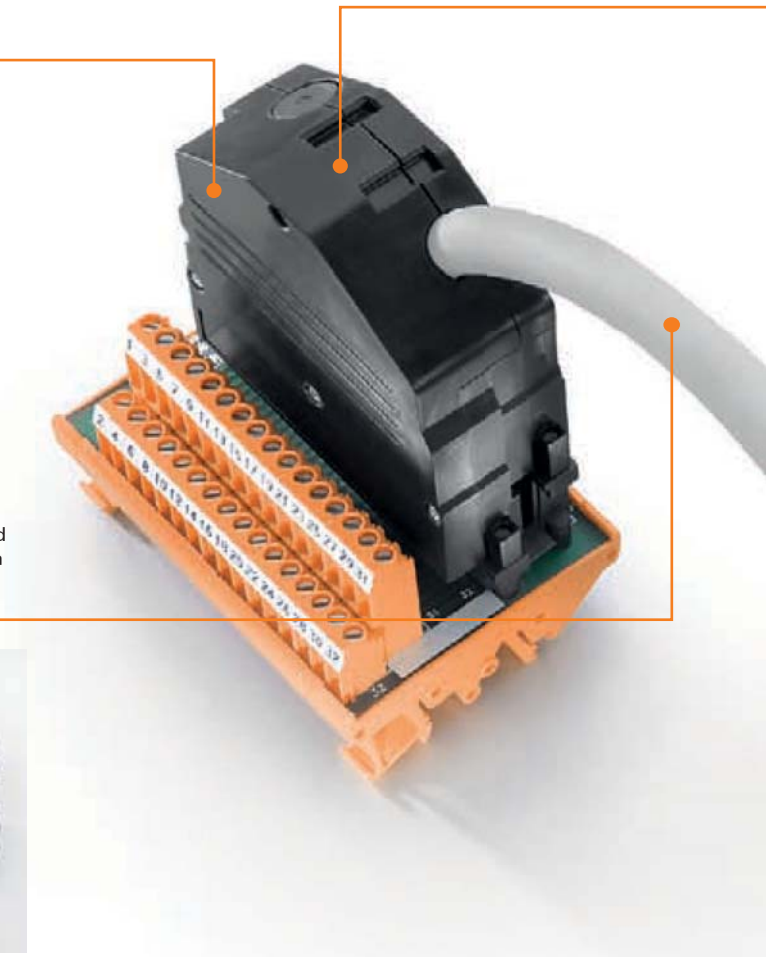
Weidmüller's new interfaces and pre-assembled cables allow you to wire up I/O cards from Honeywell's C300 controller quickly and simply in the field.

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 Weidmuller's FTAs. In comparison to traditional wire-to-wire cabling, the new Weidmuller 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.

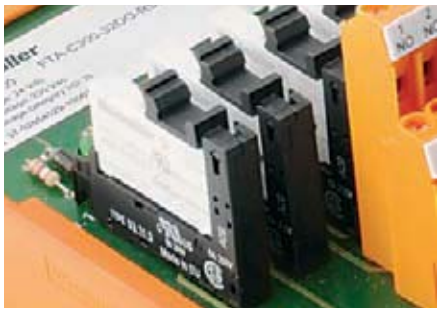
The housing provides easy handling as well as a safe, firm connection to the IOTA. It also allows you to use cables with large cross-sections.

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.

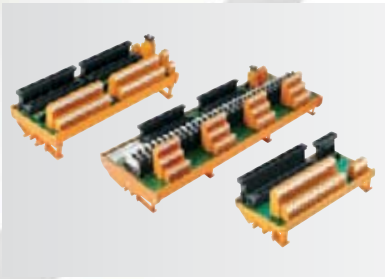
High current switching capability
The isolated digital output FTAs provide a high current switching capacity in a compact design.



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 CC-TDIL11	C300-32B-320B	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S
						✓			Yes		1	1222940000	FTA-C300-32DI-LD-S
									Yes		1	1221560000	FTA-C300-32DIOHV-Z
						✓			Yes		1	1222950000	FTA-C300-32DI-LD-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-SH-P
32 DI High voltage	CC-TDI110 CC-TDI120 CC-TDI220 CC-TDI230	C300-32B-320B	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S
									Yes		1	1221560000	FTA-C300-32DIOHV-Z
				16					No		2	1222980000	FTA-C300-16AO-SH-S
									No		2	1222990000	FTA-C300-16AO-SH-Z
									No		2	1223010000	FTA-C300-16AO-SH-P
32 DO	CC-TDOB01 CC-TDOB11	C300-32B-320B	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S
						✓			Yes		1	1221590000	FTA-C300-32DO-LD-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-C300-32DO-LD-Z
								✓	Yes		1	1246920000	FTA-C300-32DO-FUSE-Z
						✓			Yes	Relay 6A	1	1221580000	FTA-C300-32DO-SLIM-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
									No		2	1223010000	FTA-C300-16AO-SH-P
16 AO	CC-TAOX01 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-SH-P
16 AI	CC-TAIX01 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

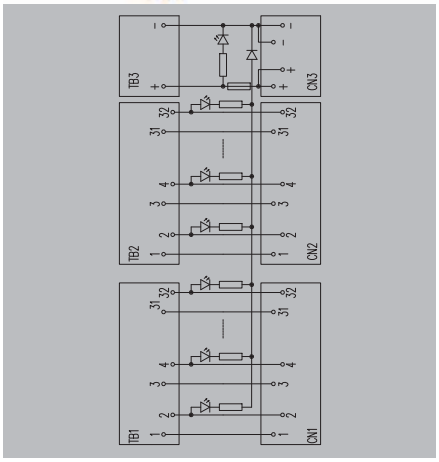
Input/output passive interface for digital cards

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

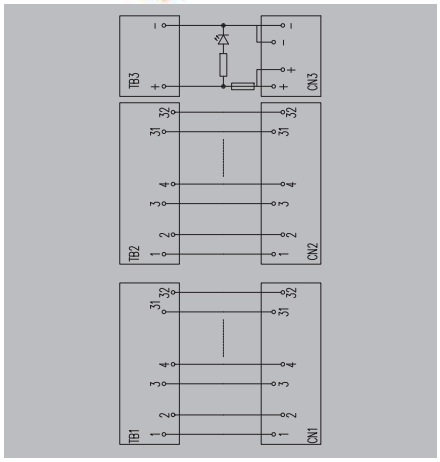
FTA-C300-32DI-LD

For: CC-TDIL01, CC-TDIL11



FTA-C300-32DIOHV

CC-TDIL01/11,CC-TDOB01/11,CC-TDI110/120/220/230



Technical data

Connection data and functionality		
Connection on control side	SLDV-THR 5.08	SLDV-THR 5.08
LED status display per channel	green	No
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	630 mA	630 mA
Type of test point	No	No
Rated data		
Operating voltage	24 V DC ± 10%	≤ 250 V AC
Max. current per channel	1 A	1 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
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	< 250 V AC
Surge voltage category	III	II
Pollution severity level	2	2
Insulation test voltage	0.35 kVAC	1.2 kVAC
Pulse voltage test (1,2/50µs)	0.8 kV	2 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	216 mm / 87 mm	216 mm / 87 mm	216 mm / 87 mm	216 mm / 87 mm
Note			For digital outputs, replace the fuse as required (max. 5 A). TB3 can only be used for 24 V DC.	

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	FTA-C300-32DI-LD-S	65 mm	**1222940000**	FTA-C300-32DIOHV-S	65 mm	**1221550000**
Tension clamp connection	FTA-C300-32DI-LD-Z	65 mm	**1222950000**	FTA-C300-32DIOHV-Z	65 mm	**1221560000**

Note		

Accessories

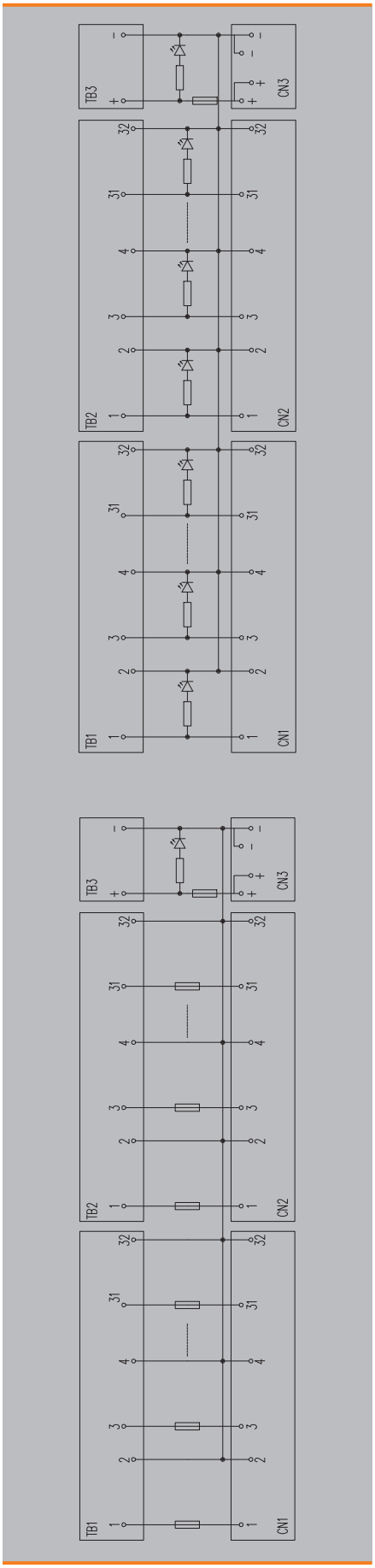
Note	5x20 mm 0.63 A fuse 0439000000	5x20 mm 0.63 A fuse 0439000000; 5x20 mm 5 A fuse 0431300000

FTA-C300-32DO-LD

For: CC-TDOB01, CC-TDOB11

FTA-C300-32DO-FUSE

For: CC-TDOB01, CC-TDOB11



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	

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 32, TS 35	TS 32, TS 35
216 mm / 87 mm	216 mm / 87 mm

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-LD-S	65 mm	**1221590000**
FTA-C300-32DO-LD-Z	65 mm	**1221600000**

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

5x20 mm 5 A fuse 0431300000

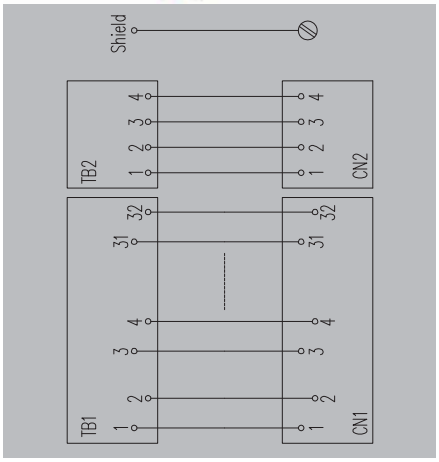
Honeywell C300 - FTA C300
Input/output passive interface for analogue and digital cards

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

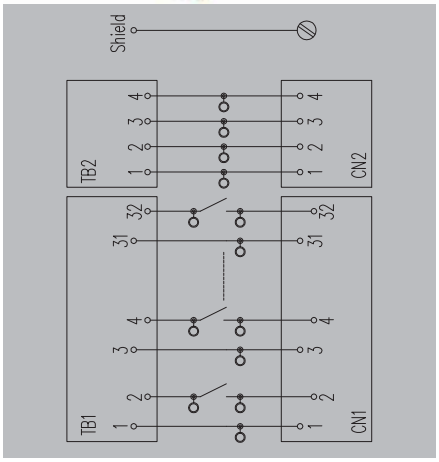
FTA-C300-16AI-SH

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	SLDV-THR 5.08	SLDV-THR 5.08
LED status display per channel	No	No
LED status of the supply voltage	No	No
Fuse per channel	No	No
Power supply fuse	No	No
Type of test point	No	Diameter: 2 mm
Rated data		
Operating voltage	250 V AC / 350 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Operating voltage (supply)		
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	< 250 V AC	≤ 50 V DC
Surge voltage category	II	III
Pollution severity level	2	2
Insulation test voltage	1.2 kVAC	0.35 kVAC
Pulse voltage test (1,2/50µs)	2 kV	0.8 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32	TS 35 x 15	TS 35 x 15
Length x width	135 mm / 70 mm	135 mm / 70 mm	141 mm / 133 mm	141 mm / 133 mm
Note				

Ordering data

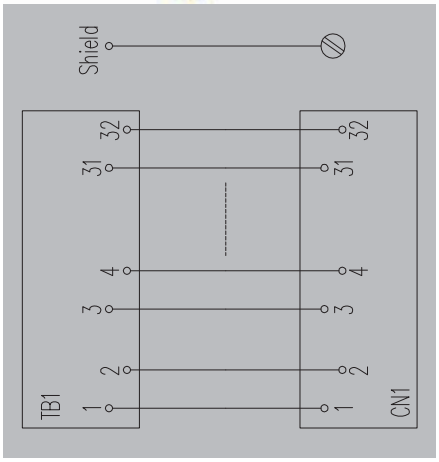
	Type	Height	Order No.	Type	Height	Order No.
Screw connection	FTA-C300-16AI-SH-S	56 mm	**1247120000**	FTA-C300-16AI-TEST-S	95 mm	**1247140000**
Tension clamp connection	FTA-C300-16AI-SH-Z	56 mm	**1247130000**	FTA-C300-16AI-TEST-Z	95 mm	**1247150000**
Plug-in connection						
Note						

Accessories

Note			Test plug PS 2.0 MC 0310000000

FTA-C300-16AO-SH

CC-TDOB01/11,TDI 110/120/220/230/L01/L11,TAOX01/11



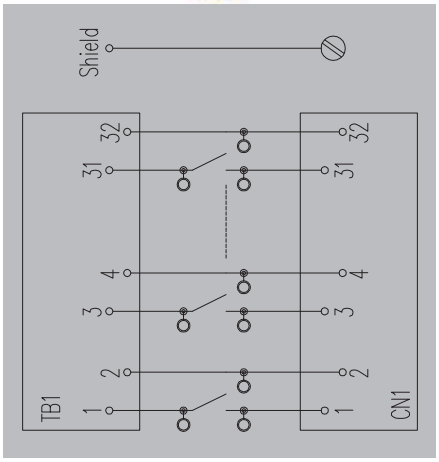
SLDV-THR 5.08	
No	
No	
No	
No	
No	
250 V AC / 350 V DC	
1 A	
-25...+50°C	
-40...+60 °C	
CE	
< 250 V AC	
II	
2	
1.2 kVAC	
2 kV	

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-TDOB01, CC-TDOB11, CC-TAOX01, CC-TAOX11



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

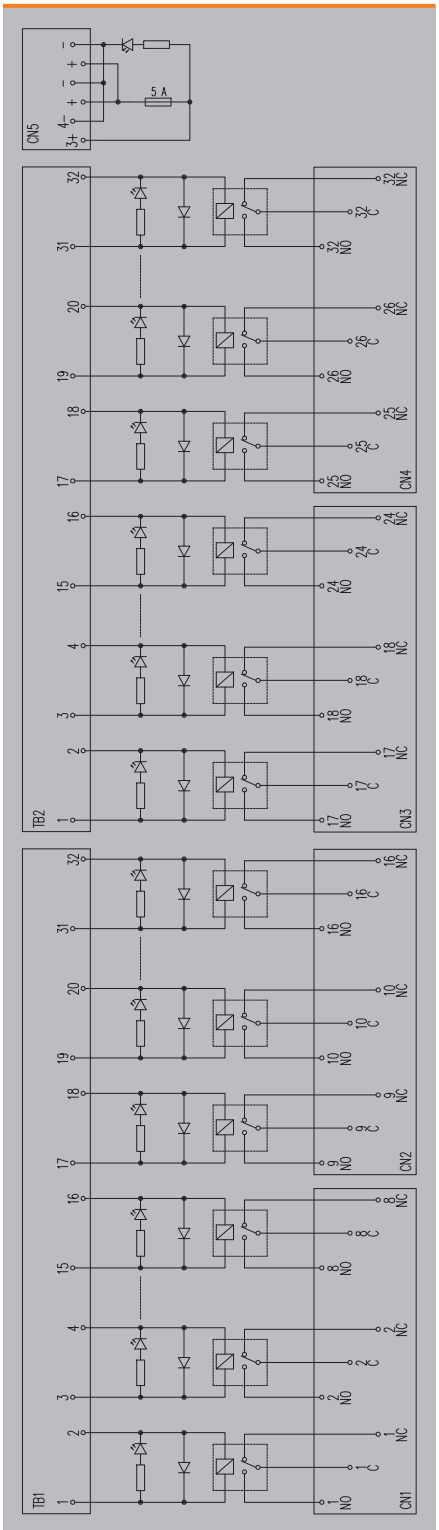
Honeywell C300 - FTA C300
Isolated output interface for digital cards

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-TDOB01, TDOB11



Technical data

Connection data and functionality	
Connection on control side	SLDV-THR 5.08
Number of poles (control side)	64-pole
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	5 A
Nominal supply data	
Input voltage	24 V DC ± 10%
Input current	13 mA
Operating voltage (supply)	24 V DC ± 10%
Nominal output data	
Contact material	AgNi 90/10
Operating voltage	250 V
Max. AC continuous current	4 A
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE
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	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 35 x 15	TS 35 x 15
Length x width	368 mm / 133 mm	368 mm / 133 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection	FTA-C300-32DO-RSLIM-S	95 mm	**1221570000**
Tension clamp connection	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	300 pF/m	300 pF/m
Capacity wire / wires	300 pF/m	300 pF/m
Cable features		
Cable	Cable LiYCY	Cable LiYCY
Material	PVC	PVC
General data		
Ambient temperature (operational)	-10...+50°C	-10...+50°C
Storage temperature	-10...+60 °C	-10...+60 °C

Note	Resistance value according to the wire cross-section. See www.weidmueller.com	Resistance value according to the wire cross-section. See www.weidmueller.com

Ordering data

	Type	Qty.	Order No.	Type	Qty.	Order No.
32-pole	C300-32B-320B-2S-M14-01	1	**7789887010**	PAC-C300-3232-14-01	1	**7789879010**
32-pole	C300-32B-320B-2S-M25-01	1	**7789828010**	PAC-C300-3232-25-01	1	**7789880010**
32-pole	C300-32B-320B-2S-M34-01	1	**7789888010**	PAC-C300-3232-34-01	1	**7789881010**
32-pole	C300-32B-320B-2S-M50-01	1	**7789838010**	PAC-C300-3232-50-01	1	**7789882010**
32-pole + 4-pole	C300-36B-324B-2S-M14-01	1	**7789890010**	PAC-C300-3636-14-01	1	**7789883010**
32-pole + 4-pole	C300-36B-324B-2S-M25-01	1	**7789829010**	PAC-C300-3636-25-01	1	**7789884010**
32-pole + 4-pole	C300-36B-324B-2S-M34-01	1	**7789891010**	PAC-C300-3636-34-01	1	**7789885010**
32-pole + 4-pole	C300-36B-324B-2S-M50-01	1	**7789892010**	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 Weidmuller'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.

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: PLC Manufacturer	STEP 2: Identify the type of connector of your PLC I/O card	STEP 3: Choose between analogical and digital I/O	STEP 4: Selected articles		
			PLC Front adapters (FAD)	Pre-assembled cable (PAC)(1)	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

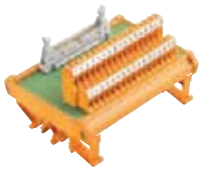
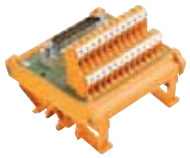
	STEP 5: Selected interface module (see chapter C)					
	Compact version	Connection: Screw	Connection: Tension clamp	Type	Order No.	
RSF 20 GROUP			☞	RS F20 Z	8537110000	
		☞		RS F20 LP2N 5/20	0224261001	
RSF 40 GROUP			☞	RS F40 Z	8537140000	
		☞		RS F40 LP2N 5/40	0224461001	
RSSD 25 GROUP			☞	RS SD25 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: PLC Manufacturer	STEP 2: Identify the I/O card of PLC	STEP 3: Choose the required field system	STEP 4: Selected articles			
			PLC Front adapters (FAD)	Pre-assembled cable (PAC)(1)	Choose the interface module	
					Passive modules	Relay modules/ opto modules
Siemens S7-300	6ES7 321-1BH01-0AA0 6ES7 321-1BH81-0AA0 6ES7 321-1BH50-0AA0 6ES7 321-7RD00-0AB0	INTERFACE	1127850000 FAD S7/300 HE20 16 DIO	7789806LLL	H2016 GROUP	
		MICROSERIES	1127850000 FAD S7/300 HE20 16 DIO	7789810LLL		MICRO 16I GROUP
	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 16O 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 32O GROUP
Rockwell Control-Logix	1756-IB16 1756-IC16 1756-IN16	INTERFACE	1127910000 FAD CTLX HE20 16DI	7789806LLL	H2016 GROUP	
		MICROSERIES	1127910000 FAD CTLX HE20 16DI	7789810LLL		MICRO 16I GROUP
	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 1756-OV16E	INTERFACE	1127950000 FAD CTLX HE20 16DO	7789806LLL	H2016 GROUP	O2016 GROUP
		MICROSERIES	1127950000 FAD CTLX HE20 16DO	7789810LLL		MICRO 16O 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 32O 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.

STEP 5: Interface selection

H2016 GROUP

Type								Interfaces		
Family	Type of wiring	Connection: Screw	Connection: Tension clamp connection	LED by channel	Disconnectable	Fuse	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 I-L H S	A.44
			●	●	⟷		1311780000	RS 16IO 1W I-L H Z	A.44
	2-wire	●					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 I H S	A.46
		●		●	⟷		9445750000	RS 16IO 2W I-L H S	A.46
			●		⟷		1311820000	RS 16IO 2W I H Z	A.46
			●	●	⟷		1311830000	RS 16IO 2W I-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

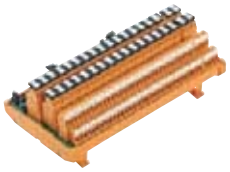
Versions with LED only for cards with nominal voltage of 24 V DC

O2016 GROUP

Type of Interface		Features								Interfaces		
Number of channels	Family	Design	Connection: Screw	Connection: Tension clamp connection	Voltage	Type of contact	Fuse	Switch (coil)	Switch (contact)	Order No.	Type	Page
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
		1 line	●		24 V DC	1CO			⊥	9445140000	RSM-16 FOR 1CO S	A.81

RS32 GROUP

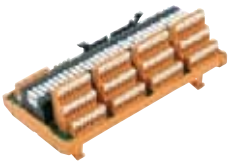
Type of wiring	Connection: Screw	Connection: Tension clamp connection	LED by channel	Fuse	Order No.	Type	Page
1-wire		●			8428880000	RS F40 I/O32 LMZF	B.24
	●				1128140000	RSF PLC 1W 32IO S	B.24
	●		●		1128160000	RSF PLC 1W 32IO LEDS S	B.25
		●			1128150000	RSF PLC 1W 32IO Z	B.24
		●	●		1128170000	RSF PLC 1W 32IO LEDS Z	B.25
2-wire	●				1128180000	RSF PLC 2W 32IO S	B.26
	●		●		1128200000	RSF PLC 2W 32IO LEDS S	B.26
		●			1128190000	RSF PLC 2W 32IO Z	B.26
		●	●		1128210000	RSF PLC 2W 32IO LEDS 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



STEP 5: Interface selection

RSM-32 GROUP

Type of Interface		Funcionalidades					Interfaces		
Number of channels	Family	Design	Connection: Screw	Connection: Tension clamp connection	Type of contact	Switch (coil)	Order No.	Type	Page
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

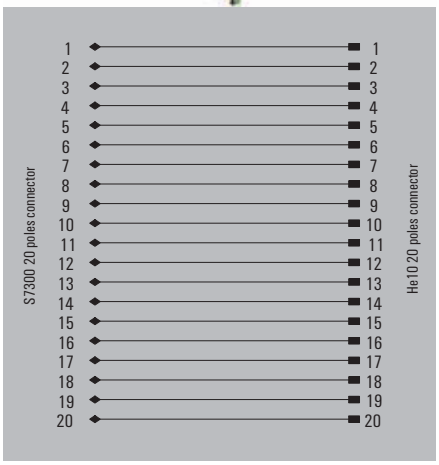
MICROSERIES (relays)	Connection: Screw	Connection: Tension clamp connection	Order No. Adapter	Order No. Input or output Relay
MICRO 16O GROUP			8773600000 (x2units)	8533640000 (x16units)
			8773620000 (x2units)	8533660000 (x16units)
MICRO 32O GROUP			8773600000 (x4units)	8533640000 (x32units)
			8773620000 (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

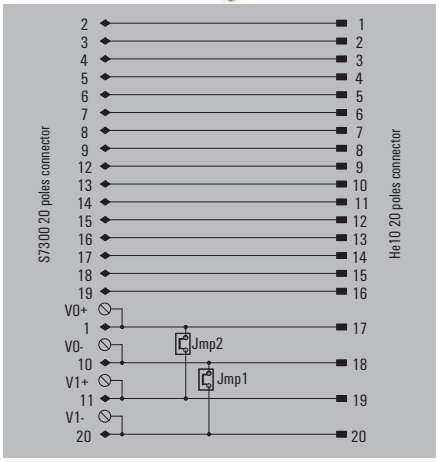
Front adapters for Siemens S7-300 cards with 20 and 40 poles.

- 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	Siemens S7-300 card with 20-pole connector and operating voltage ≤ 30 V AC / 60 V DC	6ES7 321-1BH01-0AA0, 6ES7 321-1BH81-0AA0, 6ES7 321-1BH50-0AA0, 6ES7 321-7RD00-0AB0, 6ES7 322-1BH01-0AB0, 6ES7 322-1BH81-0AA0
Connection (field side)	IEC 603-1 / DIN 41651 20p	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
Total operating current	20 A	
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	124 mm / 23 mm	124 mm / 23 mm
Note		

Ordering data

Type	Order No.
FAD S7/300 HE20 UNIV	1127840000

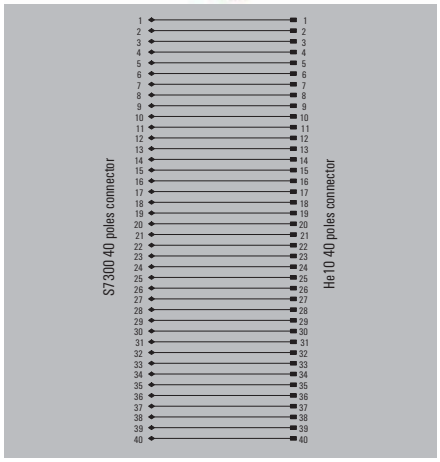
Type	Order No.
FAD S7/300 HE20 16DIO	1127850000

Note

Accessories

Note

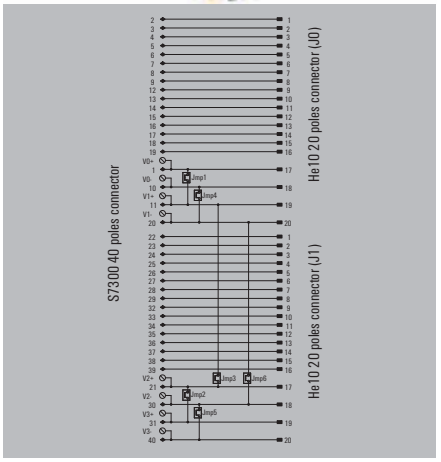
FAD S7/300 HE40 UNIV



Siemens S7-300 card with 40-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
115 mm / 21.5 mm

Type	Order No.
FAD S7/300 HE40 UNIV	1127870000

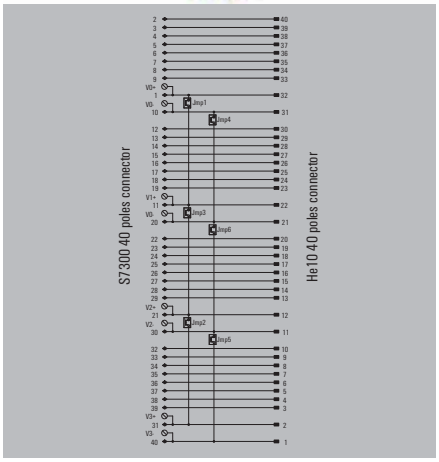
FAD S7/300 2XHE20 32DIO



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

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

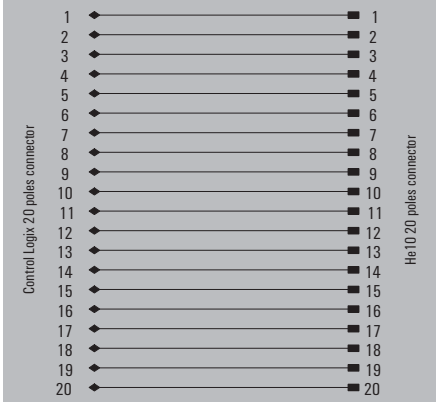
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters for Rockwell Control-logix

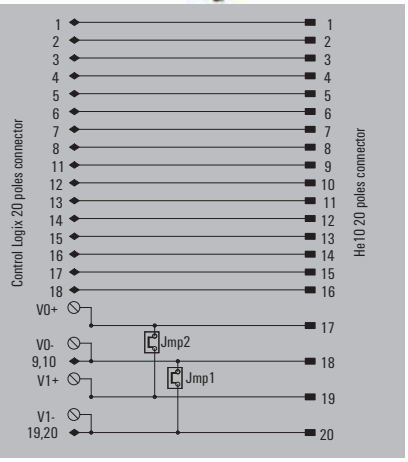
Front adapters for Rockwell Control-Logix cards with 20 and 36 poles.

- 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

	FAD CLTX HE20 UNIV	FAD CLTX HE20 16DI
Connection data		
Connection to the card	Control Logix card with 20-pole connector and operating voltage ≤ 30 V AC / 60 V DC	1756-IB16, 1756-IC16, 1756-IN16
Connection (field side)	IEC 603-1 / DIN 41651 20p	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
Total operating current	20 A	
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

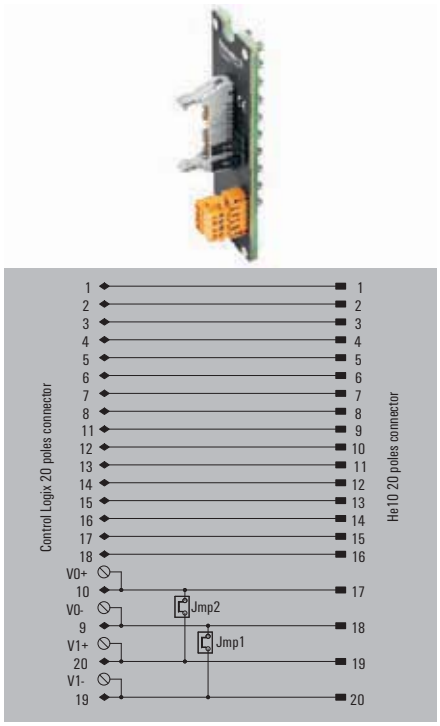
Type	Order No.
FAD CTLX HE20 UNIV	1127900000
FAD CTLX HE20 16DI	1127910000

Note

Accessories

Note

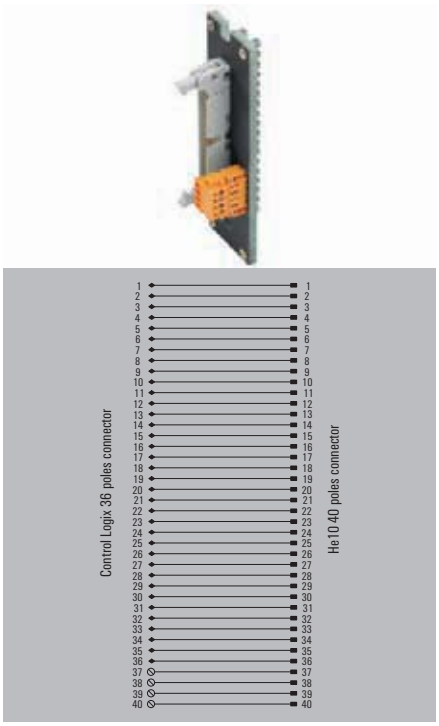
FAD CLTX HE20 16DO



1756-OB16E, 1756-OV16E	
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 CTLX HE20 16DO	1127950000

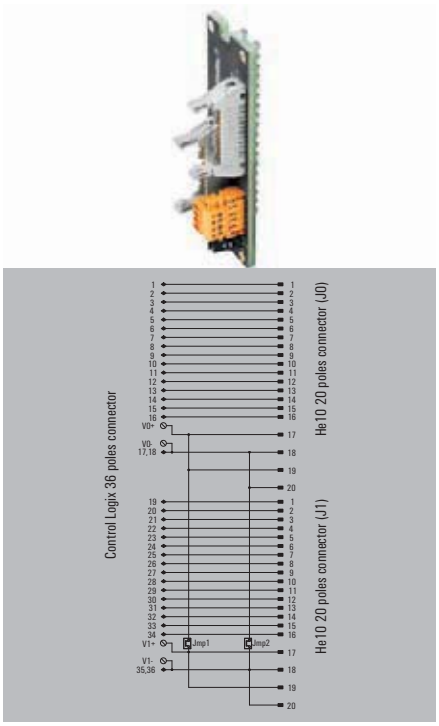
FAD CLTX HE40 UNIV



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 CTLX 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 CTLX 2XHE20 32DI	1127930000

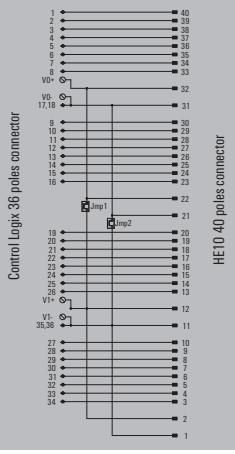
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters for Rockwell Control-logix

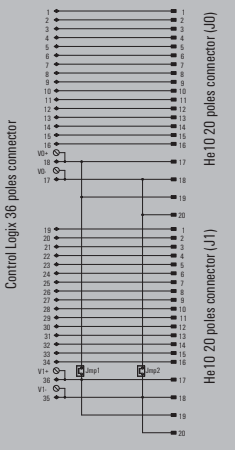
Front adapters for Rockwell Control-Logix cards with 20 and 36 poles.

- 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

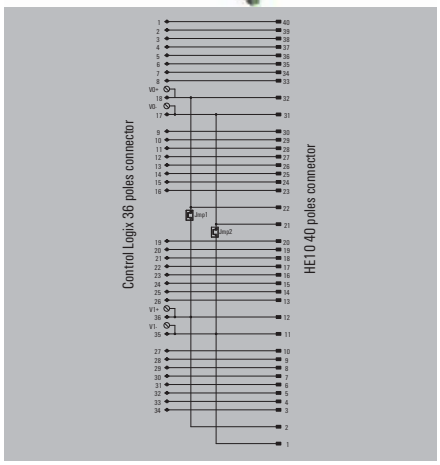
Type	Order No.	Type	Order No.
FAD CTLX HE40 32DI	**1127940000**	FAD CTLX 2XHE20 32DO	**1127990000**

Note

Accessories

Note

FAD CLTX HE40 32DO



1756-OB32

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 CTLX HE40 32DO	**1127980000**

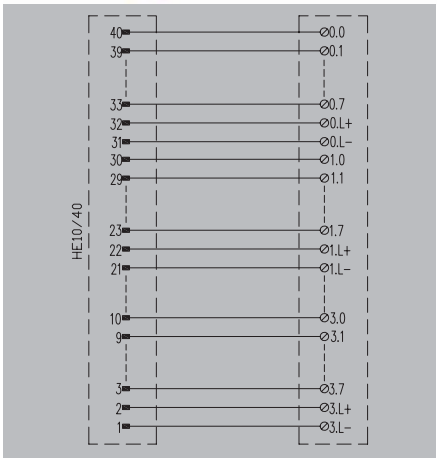
RSF PLC-Passive interface for 1 wire digital signals

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

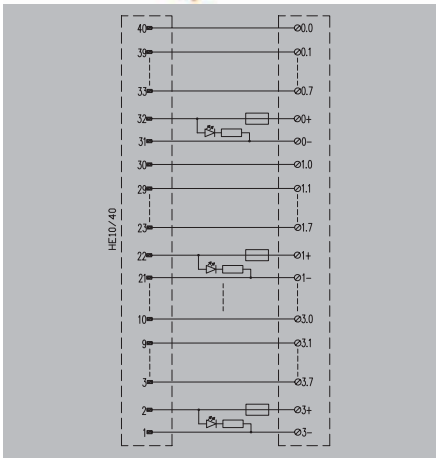
RS F40 INIT32

1 wire



RSF PLC 1W 32IO

1 wire



Technical data

Connection data and functionality		
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug	40-pole plug
LED status display per channel	No	No
LED status of the supply voltage	No	No
Fuse per channel	No	No
Power supply fuse	No	2.5 A
Rated data		
Operating voltage	50 V AC	30 V AC / 60 V DC
Max. current per channel	1 A	1 A
Max. current per byte		2 A
Operating voltage (supply)		24 V DC ± 10%
Operating current (supply)		4 A
General data		
Ambient temperature (operational)	0...+55°C	-25...+50°C
Storage temperature	-40...+70 °C	-40...+60 °C
Approvals	CE; GOSTME25	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	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.5 mm² / 1.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.5 mm² / 1.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	125 mm / 45 mm	113 mm / 87 mm	113 mm / 87 mm
Note		Factory setting: Common negative pole	

Ordering data

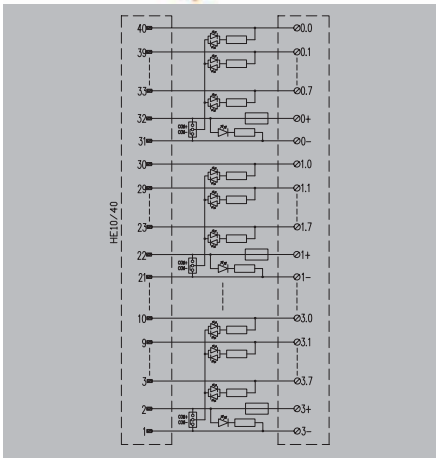
	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED				RSF PLC 1W 32IO S	72 mm	**1128140000**
Screw connection with LED						
Tension-clamp connection without LED	RS F40 I/032 LMZF	54 mm	**8428880000**	RSF PLC 1W 32IO Z	72 mm	**1128150000**
Tension-clamp connection with LED						
Note						

Accessories

Note		

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 possitive)
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 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
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**

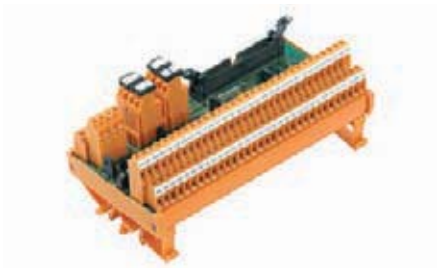
RSF PLC - Passive Interface for 2 wire digital signals

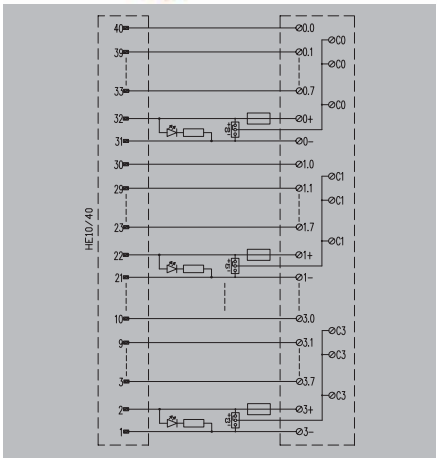
Compact interfaces for the transmission of 32 digital input/output signals (RSF PLC)

- 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

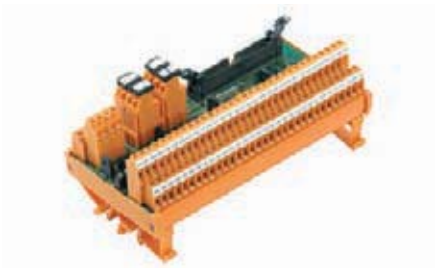
2 wires

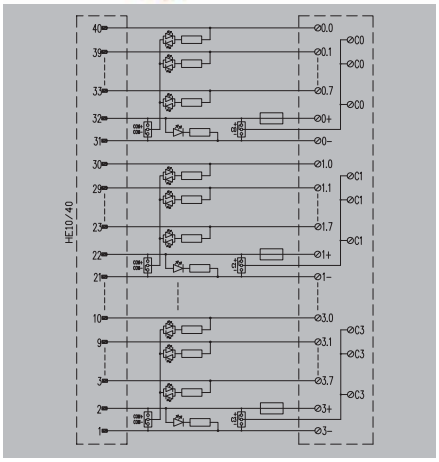




RSF PLC 2W 32IO LEDS

2 wires with LED





Technical data

Connection data and functionality		
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug	40-pole plug
LED status display per channel	No	Green(common negative)/Red(common possitive)
LED status of the supply voltage	yellow	yellow
Fuse per channel	No	No
Power supply fuse	2.5 A	2.5 A
Rated data		
Operating voltage	30 V AC / 60 V DC	24 V DC ± 10%
Max. current per channel	1 A	1 A
Max. current per byte	2 A	2 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Operating current (supply)	4 A	4 A
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	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	170 mm / 87 mm	170 mm / 87 mm	170 mm / 87 mm	170 mm / 87 mm
Note	Factory setting: Common negative pole		Factory setting: Common negative pole	

Ordering data

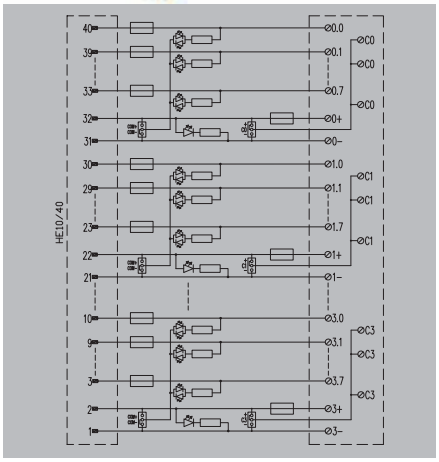
	Type	Height	Order No.	Type	Height	Order No.
Screw connection without LED	RSF PLC 2W 32IO S	72 mm	**1128180000**			
Screw connection with LED				RSF PLC 2W 32IO LEDS S	72 mm	**1128200000**
Tension-clamp connection without LED	RSF PLC 2W 32IO Z	72 mm	**1128190000**			
Tension-clamp connection with LED				RSF PLC 2W 32IO LEDS Z	72 mm	**1128210000**
Note						

Accessories

Note		

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 possitive)
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

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
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**

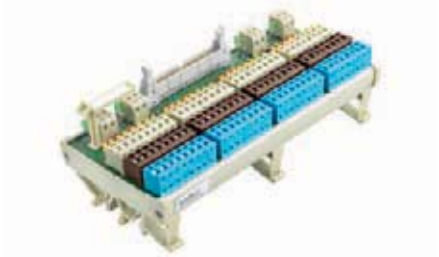
RSF PLC - Passive interface for 3 wire digital signals

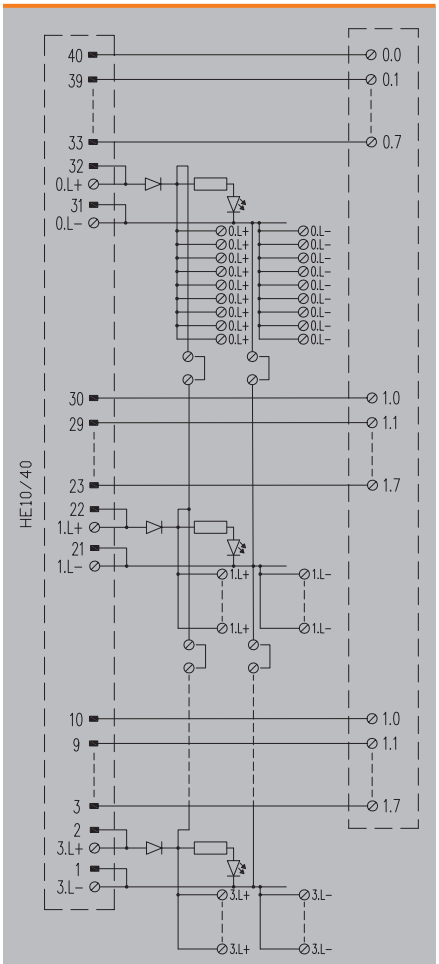
Compact interfaces for the transmission of 32 digital input/output signals (RSF PLC)

- 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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug
LED status display per channel	No
LED status of the supply voltage	No
Fuse per channel	No
Power supply fuse	No
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	Tension clamp connection
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

	Type	Height	Order No.
Tension-clamp connection without LED	RS F40 INIT32 LMZF	73 mm	**8430980000**
Tension-clamp connection with LED			

Note

Accessories

Note

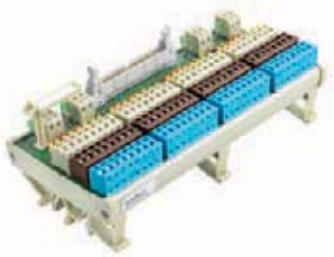
RSF PLC - Passive interface for 3 wire digital signals

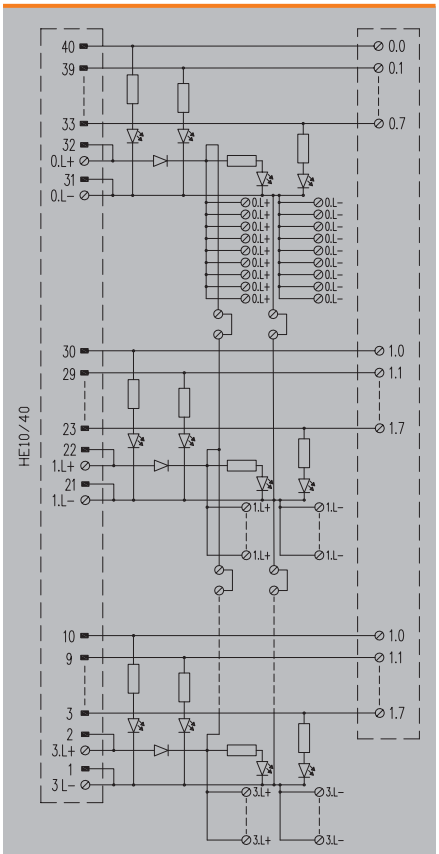
Compact interfaces for the transmission of 32 digital input/ output signals (RSF PLC)

- 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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug
LED status display per channel	yellow
LED status of the supply voltage	green
Fuse per channel	No
Power supply fuse	No
Rated data	
Operating voltage	24 V DC ± 10%
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	Tension clamp connection
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

	Type	Height	Order No.
Tension-clamp connection without LED			
Tension-clamp connection with LED	RS F40 INIT32 LD LMZF	73 mm	**8428900000**

Note

Accessories

Note

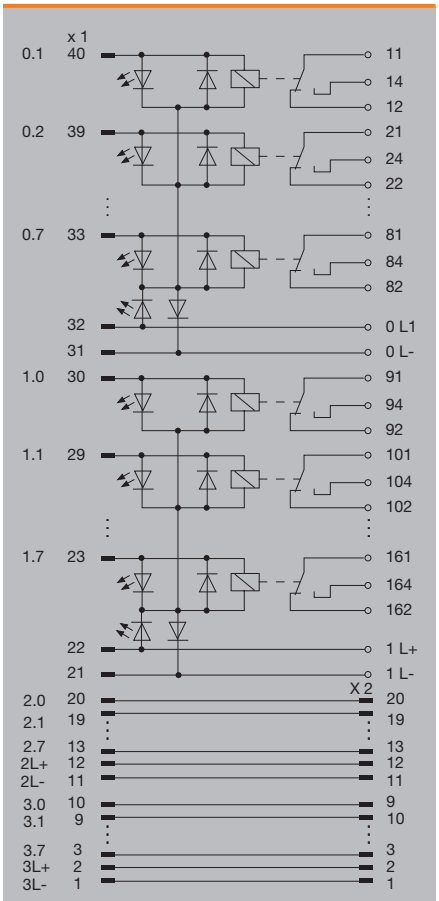
RSM - Interfaces for 16 isolated digital signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug
Relay type	RCL314024
LED status display per relay	yellow
LED status of the supply voltage	green
Fuse per relay	No
Power supply fuse	No
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	30 mA
Operating voltage (supply)	24 V DC ± 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 10^7 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	≥ 5.5 mm

Dimensions	**Screw connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	350 mm / 87 mm
Note	Expansion module: 8224191001 (20 pole cable included)

Ordering data

	Type	**Height**	**Order No.**
Screw connection without switch	RS F40 16RS OUT 24VDC	76 mm	**8224181001**

Note

Accessories

Note	8693260000 RCL314024 24 V DC 1CO

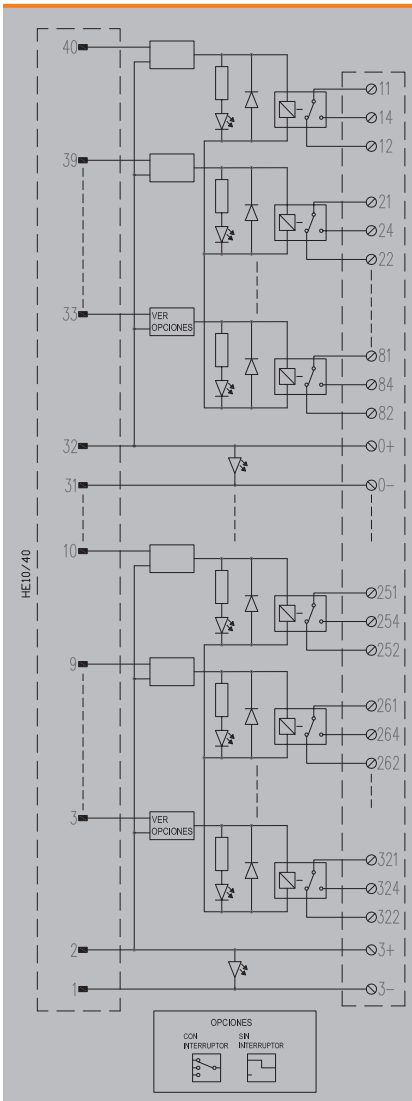
RSM - Interfaces for 32 isolated digital signals

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	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug
Relay type	RSS
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	No
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 10^6 switching cycles
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE
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	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	215 mm / 109 mm	255 mm / 109 mm
Note		

Ordering data

	Type	Height	Order No.
Screw connection without switch	RSM-32 PLC C 1CO S	85 mm	**1129050000**
Screw connection with switch	RSM-32 PLC C SW 1CO S	85 mm	**1129080000**
Tension-clamp connection without switch	RSM-32 PLC C 1CO Z	85 mm	**1129070000**
Tension-clamp connection with switch	RSM-32 PLC C SW 1CO Z	85 mm	**1129090000**
Note			

Accessories

Note	
	Relay 4060120000 RSS 24 V DC 1CO

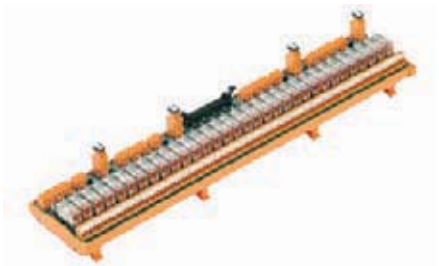
RSM - Interfaces for 32 isolated digital signals

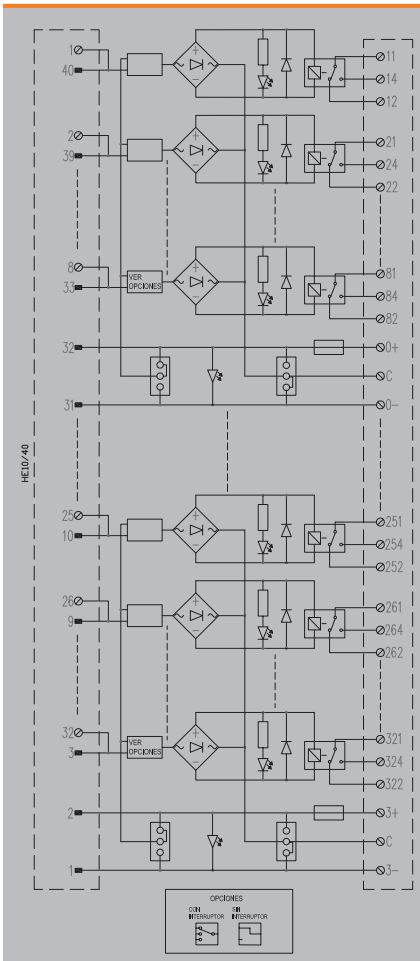
Relay digital output interface for transmitting electrical signals between the PLC and field via SIM cables or front adapters FAD.

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

RSM-32 PLC 1CO S

6 mm relay with 1 CO contact and switch





Technical data

Connection data and functionality	
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651
Number of poles (control side)	40-pole plug
Relay type	RCL
LED status display per relay	green
LED status of the supply voltage	yellow
Fuse per relay	No
Power supply fuse	2.5 A
Nominal input data	
Input voltage	24 V UC ± 10%
Input current	17 mA
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	2.5 A
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 10^7 switching cycles
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE
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	**Screw connection**	**Tension clamp connection**
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Length x width	497 mm / 109 mm	497 mm / 109 mm
Note		

Ordering data

	Type	**Height**	**Order No.**
Screw connection without switch	RSM-32 PLC 1CO S	68 mm	**1129140000**
Screw connection with switch	RSM-32 PLC SW 1CO S	68 mm	**1129170000**
Tension-clamp connection without switch	RSM-32 PLC 1CO Z	68 mm	**1129150000**
Tension-clamp connection with switch	RSM-32 PLC SW 1CO Z	68 mm	**1129180000**
Note			

Accessories

Note	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.

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.

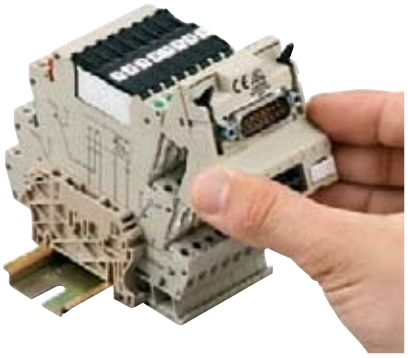
MICRO-INTERFACE module for ribbon cable connection

MICRO-INTERFACE module for SUB-D connection

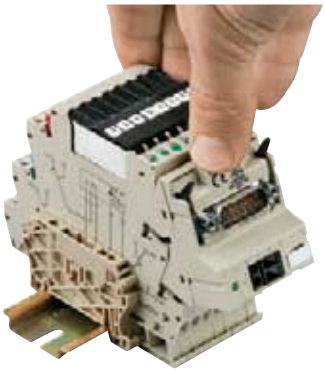
To help you to choose the right products for your application, Weidmüller offers selection tables in this catalogue that enable you to choose a set comprising pre-assembled cable + adapter + microrelay/optomodule, depending on the PLC card.

Instructions for assembling the adapter

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

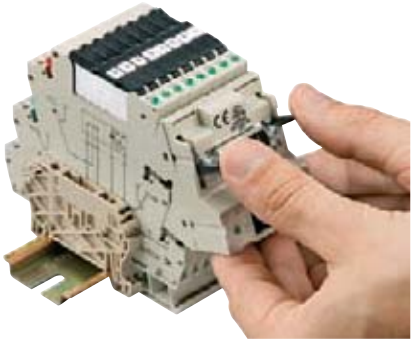


Insert the adapter onto the cross-connection rail and make sure that it is in the correct position



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 8773530000	2	B.46	8596060000 8596080000	16	B.51
	IC693MDL634	8 DI	7789687xxx	1			8773510000 8773530000	1	B.46	8596060000 8596080000	8	B.51
	IC693MDL646	16 DI	7789686xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	IC693MDL654	32 DI	7789688xxx	2			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	IC693MDL655	32 DI	7789688xxx	2			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
DO	IC693MDL730	8 DO	7789689xxx	1			8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
	IC693MDL732	8 DO	7789692xxx	1			8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
	IC693MDL740	16 DO	7789690xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	IC693MDL742	16 DO	7789690xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	IC693MDL753	32 DO	7789691xxx	2			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
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					
							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	IC694MDL241	16 DI	7789686xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	IC694MDL634	8 DI	7789687xxx	1			8773510000 8773530000	1	B.46	8596060000 8596080000	8	B.51
	IC693MDL645	16 DI	7789686xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	IC693MDL646	16 DI	7789686xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	IC693MDL654	32 DI	7789688xxx	2			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	IC693MDL655	32 DI	7789688xxx	2			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	IC693MDL660	32 DI	7789693xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
DO	IC693MDL732	8 DO	7789692xxx	1			8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
	IC693MDL740	16 DO	7789690xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	IC693MDL742	16 DO	7789690xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	IC693MDL753	32 DO	7789691xxx	2			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
	IC693MDL754	32 DO	7789694xxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
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 8773530000	4	B.46	8596060000 8596080000	32	B.51
	ID232	32 DI	7789749xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	ID233	32 DI	7789758xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	ID261	64 DI	7789758xxx	2			8773510000 8773530000	8	B.46	8596060000 8596080000	64	B.51
	ID262	64 DI	7789749xxx	2			8773510000 8773530000	8	B.46	8596060000 8596080000	64	B.51
DI	OD232	32 DO	7789755xxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
	OD262	32 DO	7789755xxx	2			8773600000 8773620000	8	B.47	8533640000 8533660000	64	B.49
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 8773530000	2	B.46	8596060000 8596080000	16	B.51
	1769-IQ16F	16 DI	1340040xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	1769-IQ32	32 DI	1340040xxx 1340050xxx	1 1			8773510000 8773530000	4	B.46	8596060000 8596080000	16	B.51
	1769-IQ32T	32 DI	1340060xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
DO	1769-OB8	8 DO	1340070xxx	1			8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
	1769-OB16	16 DO	1340080xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	1769-OB16P	16 DO	1340080xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	1769-OB32	32 DO	1340080xxx 1340090xxx	1 1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
	1769-OB32T	32 DO	7789799xxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
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					
							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	1756-IB16	16 DI	7789783xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	1756-IB16D	16 DI	7789782xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	1756-IB16I	16 DI	7789782xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	1756-IB32	32 DI	7789784xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
DO	1756-OB16D	16 DO	7789785xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	1756-OB16E	16 DO	7789786xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	1756-OB16I	16 DO	7789787xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	1756-OB32	32 DO	7789766xxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
	1756-OB8	8 DO	7789788xxx	1			8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
	1756-OB8EI	8 DO	7789789xxx	1			8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
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 8773530000	2	B.46	8596060000 8596080000	16	B.51
	BMX DDI 3202K	32 DI	7789735xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	BMX DDI 6402K	64 DI	7789735xxx	2			8773510000 8773530000	8	B.46	8596060000 8596080000	64	B.51
DO	BMX DDO 1602	16 DO	7789736xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	BMX DDO 3202K	32 DO	7789735xxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
	BMX DDO 6402K	64 DO	7789735xxx	2			8773600000 8773620000	8	B.47	8533640000 8533660000	64	B.49
DI/DO	BMX DDM 16022	8 DI	7789737xxx	1			8773510000 8773530000	1	B.46	8596060000 8596080000	8	B.51
		8 DO					8773600000 8773620000	1	B.47	8533640000 8533660000	8	B.49
	BMX DDM 3202K	16 DI	7789735xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
		16 DO					8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
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 Input/Output cards		Cables Standard		Connection		MICROADAPTER 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	6ES7321-1BH00-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BH01-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BH02-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BH50-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BH80-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BH81-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BH82-0AA0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
	6ES7321-1BL00-0AA0	32 DI	7789861xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	6ES7321-1BL80-0AA0	32 DI	7789861xxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
	6ES7321-7RD00-0AB0	16 DI	7789235xxx	1			8773510000 8773530000	2	B.46	8596060000 8596080000	16	B.51
DO	6ES7322-1BH00-0AA0	16 DO	7789235xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	6ES7322-1BH01-0AA0	16 DO	7789235xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	6ES7322-1BH81-0AA0	16 DO	7789235xxx	1			8773600000 8773620000	2	B.47	8533640000 8533660000	16	B.49
	6ES7322-1BL00-0AA0	32 DO	7789861xxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
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 8773530000	4	B.46	8596060000 8596080000	32	B.51
	6ES7421-1BL01-0AA0	32 DI	833591xxxx	1			8773510000 8773530000	4	B.46	8596060000 8596080000	32	B.51
DO	6ES7422-1BL00-0AA0	32 DO	833591xxxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
	6ES7422-7BL00-0AB0	32 DO	833591xxxx	1			8773600000 8773620000	4	B.47	8533640000 8533660000	32	B.49
Note												

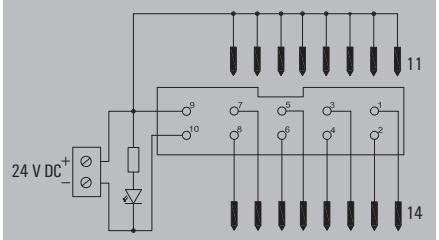
- The cards should be used in positive logic.
- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are 24 V DC for the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

Adaptor and solution for MICROSERIES relays and optocouplers

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

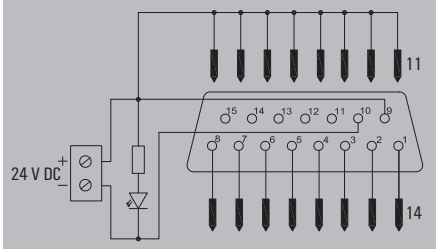
MI8DI-S F10

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	Plug-in connector acc. IEC 603-1 / DIN 41651	IEC 60603/DIN41612 plug-in connectors
Number of poles (control side)	10-pole plug	25-pole plug
Nominal input data		
Operating voltage	30 V UC	30 V UC
Max. current per channel	0.5 A	0.5 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Nominal output data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-20...+85 °C	-20...+85 °C
Approvals	CE; cULus; GOSTME25	CE; cULus; GOSTME25
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	**Screw connection**	**Tension clamp connection**	**Screw connection**	**Tension clamp connection**
Clamping range, min. / max. [supply]	2.5 mm² / 0.13 mm²	2.5 mm² / 0.13 mm²	2.5 mm² / 0.13 mm²	2.5 mm² / 0.13 mm²
Length x width	48 mm / 59 mm	48 mm / 59 mm	48 mm / 59 mm	48 mm / 59 mm
Note				

Ordering data

	Type	**Height**	**Order No.**
Screw connection	MI8DI-S F10 S	53 mm	**8773510000**
Tension clamp connection	MI8DI-Z F10 S	53 mm	**8773530000**
Note	MI8DI-S = screw connection MI8DI-Z = tension clamp connection		

	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		

Accessories

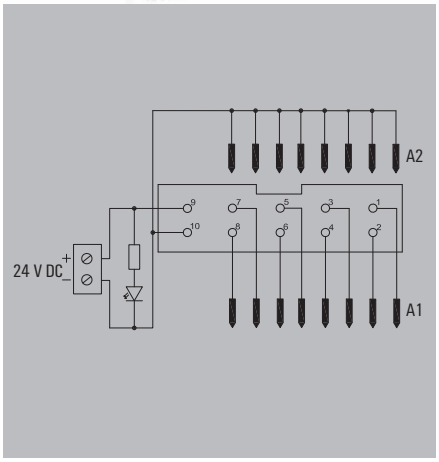
Note

Adaptor and solution for MICROSERIES relays and optocouplers

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

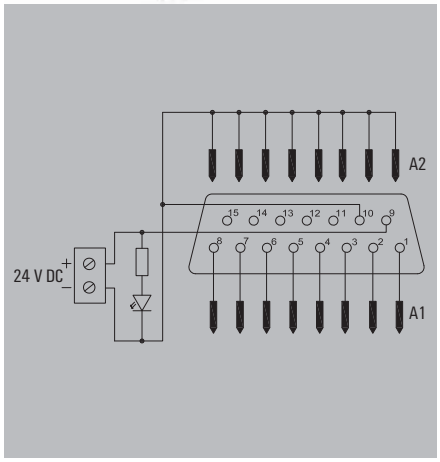
MI8DO-S F10

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	Plug-in connector acc. IEC 603-1 / DIN 41651	IEC 60603/DIN41612 plug-in connectors
Number of poles (control side)	10-pole plug	25-pole plug
Nominal input data		
Operating voltage	30 V UC	30 V UC
Max. current per channel	0.5 A	0.5 A
Operating voltage (supply)	24 V DC ± 10%	24 V DC ± 10%
Nominal output data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-20...+85 °C	-20...+85 °C
Approvals	CE; cULus; GOSTME25	CE; cULus; GOSTME25
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	**Screw connection**	**Tension clamp connection**	**Screw connection**	**Tension clamp connection**
Clamping range, min. / max. [supply]	2.5 mm² / 0.13 mm²	2.5 mm² / 0.13 mm²	2.5 mm² / 0.13 mm²	2.5 mm² / 0.13 mm²
Length x width	48 mm / 59 mm	48 mm / 59 mm	48 mm / 59 mm	48 mm / 59 mm
Note				

Ordering data

	Type	**Height**	**Order No.**
Screw connection	MI8DO-S F10 S	53 mm	**8773600000**
Tension clamp connection	MI8DO-Z F10 S	53 mm	**8773620000**
Note	MI8DO-S = screw connection MI8DO-Z = tension clamp connection		

	Type	**Height**	**Order No.**
Screw connection	MI8DO-S SUB D15S	53 mm	**8773550000**
Tension clamp connection	MI8DO-Z SUB D15S	53 mm	**8773570000**
Note	MI8DO-S = screw connection MI8DO-Z = tension clamp connection		

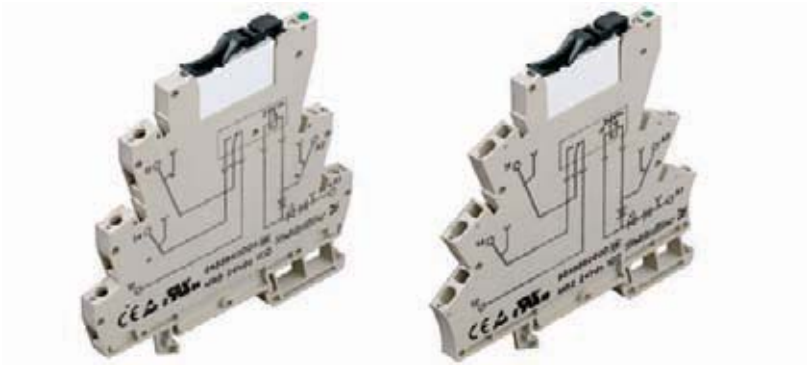
Accessories

Note		

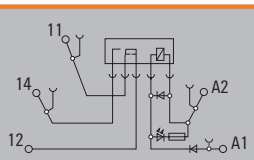
1 CO contact
AC / DC / UC coil

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

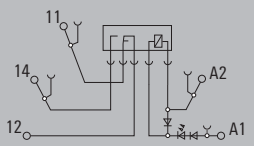
- Interchangeable relay modules, can also be exchanged with an opto module
- 6.1 mm wide
- The plug-in cross-connection at the input and output minimises the wiring task



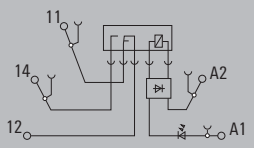
(5/12 V DC)



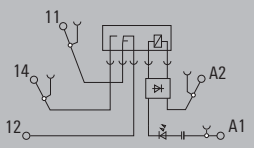
(24/60 V DC)



(24/48/120 V UC)



(230 V AC)



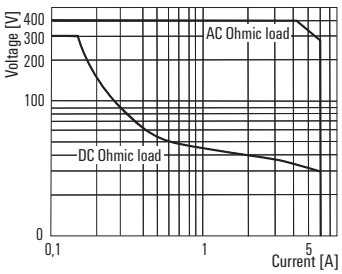
Technical data

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 10^8 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	

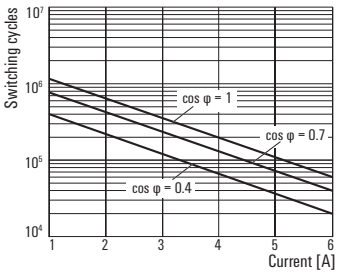
Dimensions		Screw connection	Tension clamp connection
Clamping range (nominal / min. / max.)	mm^2	2.5 / 0.5 / 4	1.5 / 0.5 / 2.5
Length x width x height	mm	93 / 6.1 / 92	94 / 6.1 / 91
Note		Cross-connections and markers - refer to MICROSERIES accessories	

Applications

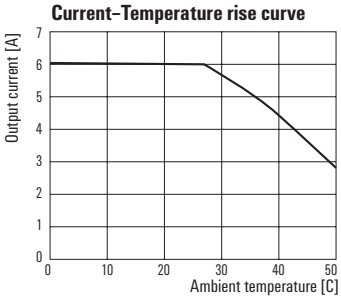
Limit curve



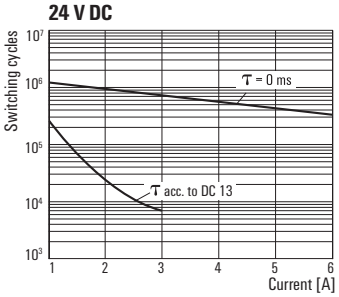
250 V AC



Current–Temperature rise curve



24 V DC



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					

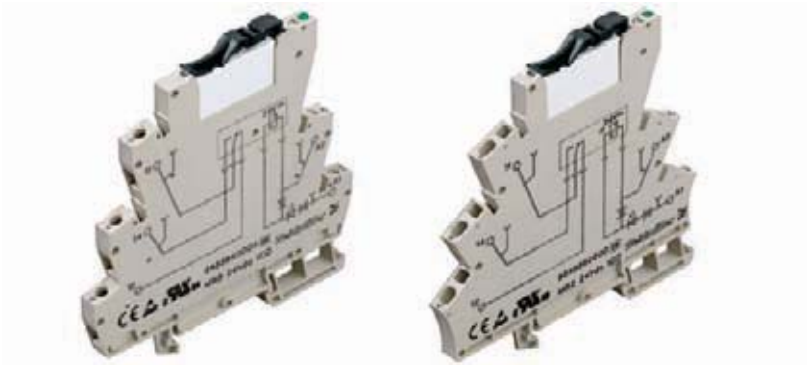
1 CNA

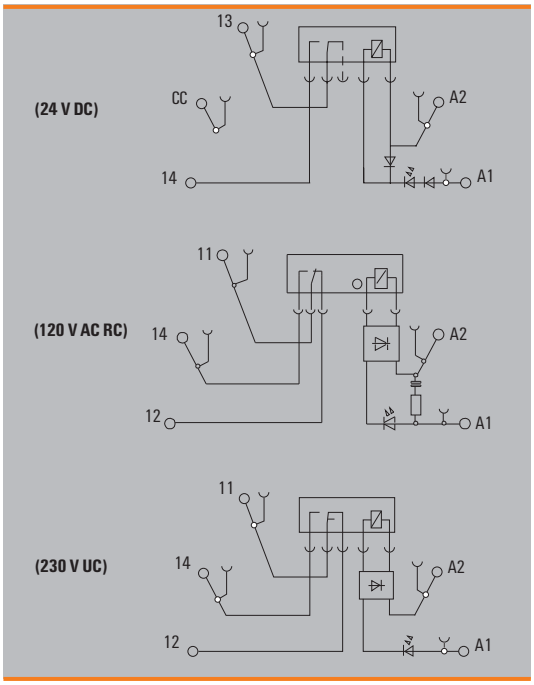
Special Variants

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 10^8 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.)	mm²	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

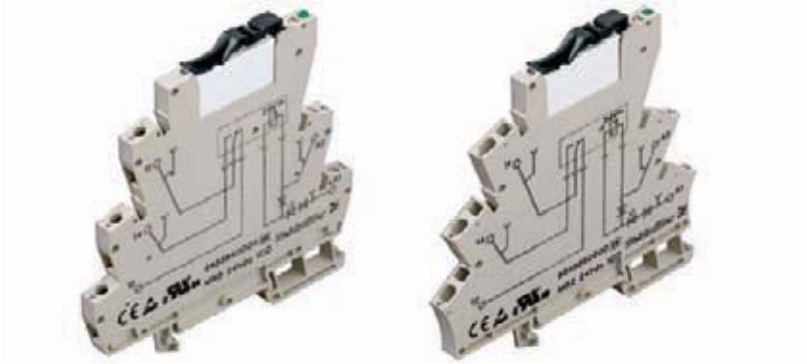
	24 V DC ACT	120 V AC 1CO RC	230 V UC 1CO
Input			
Rated control voltage	24 V DC ±20 %	120 V AC + 10 % / -15 %	230 V UC +10 % / -15 %
Rated current AC		7 mA	3.5 mA
Rated current DC	6.6 mA		2.9 mA
Power rating	160 mW	0.84 VA	0.8 VA / 660 mW
AC Response/dropout Volt		60 V / 37 V	146 V / 104 V
DC Response/dropout Volt	15.4 V / 6.5 V		153 V / 101 V
AC pickup/dropout current		4.5 mA / 3.7 mA	
DC pickup/dropout current	4 mA / 1.2 mA		1.7 mA / 0.7 mA
Approvals	CE; cULus	CE; cULus	CE

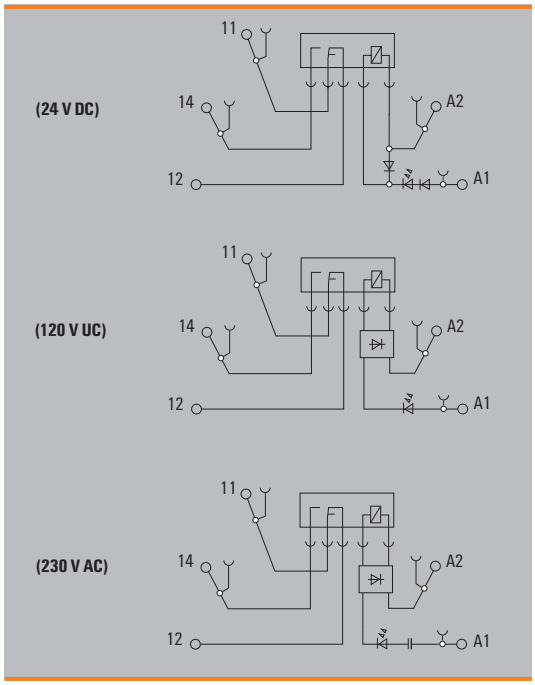
Ordering data Relay with socket				
Screw connection	Type	MRS 24VDC ACT	MRS 120VUC 1CO RC	MRS 230VUC 1CO
	Order No.	**8660920000**	**8825970000**	**8825990000**
Tension clamp connection	Type	MRZ 24VDC ACT	MRZ 120VUC 1CO RC	MRZ 230VUC 1CO
	Order No.	**8660910000**	**8825960000**	**8825980000**
Ordering data Spare relay (pluggable)				
	Type	RSS113024 24VDC-REL1U	RSS113060 60VDC-REL1U	RSS113060 60VDC-REL1U
	Order No.	**4060120000**	**4061630000**	**4061630000**
Note				

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 10^6 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.)	mm²	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	

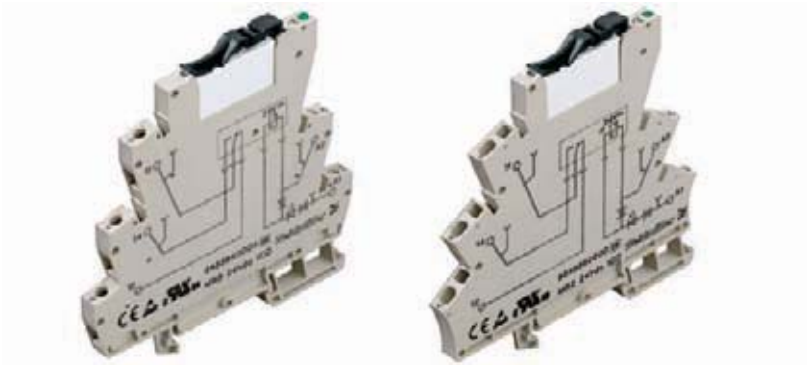
Ordering data

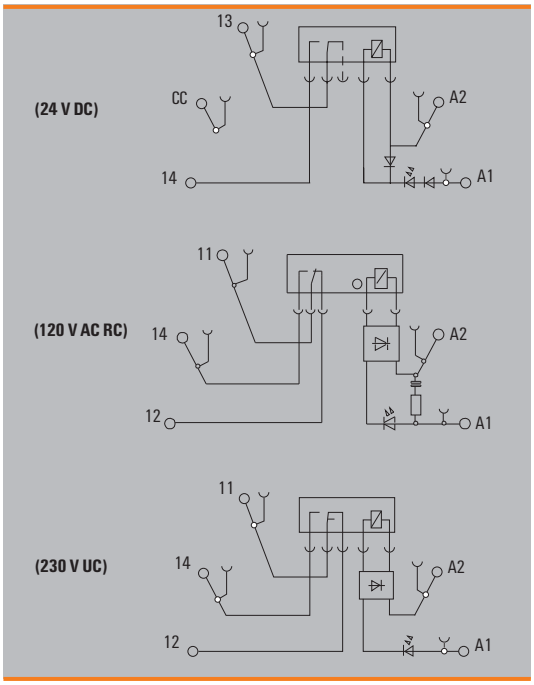
	24 V DC 1CO Au	120 V UC 1CO Au	230 V AC 1CO Au
Input			
Rated control voltage	24 V DC ±20 %	120 V UC +10 % / -15 %	230 V AC ±10 %
Rated current AC		3.5 mA ±15 %	7.6 mA
Rated current DC	6.6 mA	3.5 mA ±15 %	
Power rating	160 mW	0.42 VA, 360 mW	1.75 VA, 210 mW
AC Response/dropout Volt		60 V / 37 V	103 V / 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 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 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.

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 10^8 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^2	2.5 / 0.5 / 4
Length x width x height	mm	93 / 6.1 / 92
Note		Cross-connections and markers - refer to MICROSERIES accessories

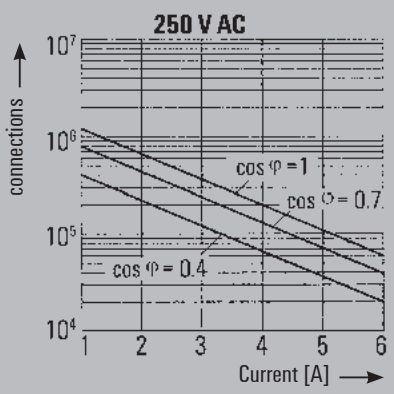
Ordering data

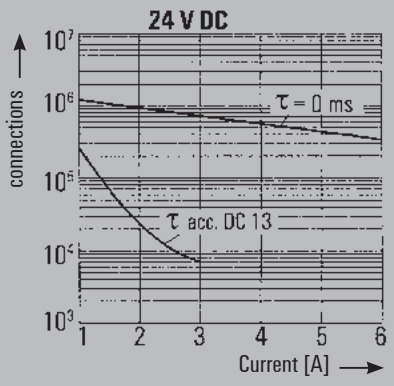
	12 V DC 1CO	24 V DC 1CO	24 V UC 1CO
Input			
Rated control voltage	12 V DC ±20 %	24 V DC ±20 %	24 V UC ±10 %
Rated current AC			11 mA
Rated current DC	17 mA	6.6 mA	6.4 mA
Power rating	210 mW	160 mW	270 mVA / 154 mW
AC Response/dropout Volt			
DC Response/dropout Volt	6.4 V / 2.5 V	15.4 V / 6.5 V	15.8 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.			
Ordering data Spare relay (pluggable)			
Type	RSS113012 12VDC-REL1U	RSS113024 24VDC-REL1U	RSS113024 24VDC-REL1U
Order No.	**4061610000**	**4060120000**	**4060120000**
Note			

RSS Relay
1 CO contact DC coil

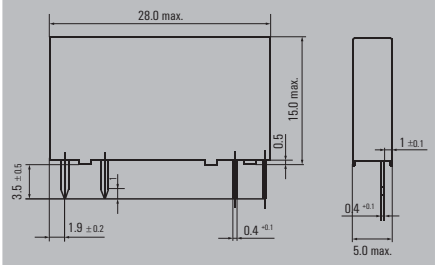
Cross Connection

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
	AgSnO2 5µ Au 1 V, 1 mA [1]
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

[1] 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**[1]	RSS 112024	20	**4061590000**
60V coil voltage, 1 CO contact, **5µ Au**[1]	RSS 112060	20	**4061600000**

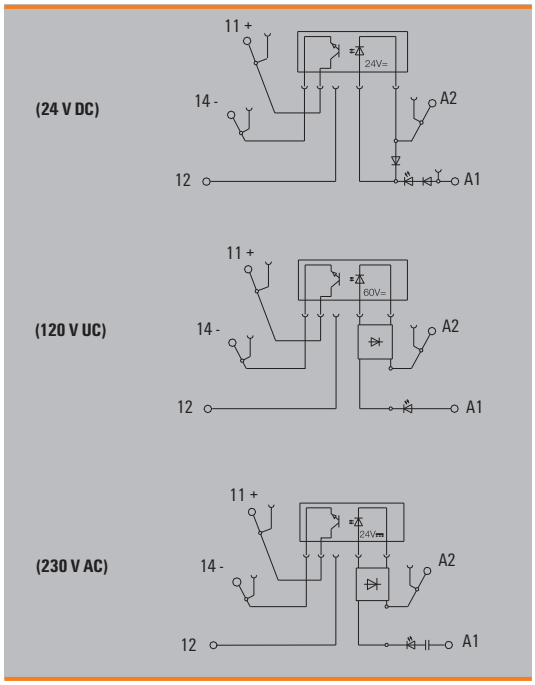
Code of the RSS type of relay

Type code	RSS				
Type	RIDER Signal Slim				
Model	1 Printing, vertical, washable				
Type of contact		1 1 Changeover contact			
Contact material			2 $AgSnO_2$ htv 3 $AgSnO_2$		
Coil					005 5 V DC 012 12 V DC 024 24 V DC 048 48 V DC 060 60 V DC

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.)	mm²	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	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					

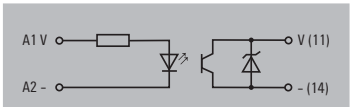
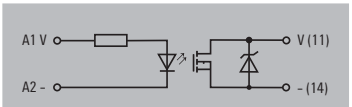
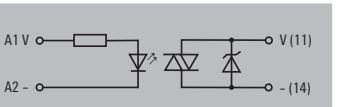
Plug-in solid-state relay

SSS Relay
Connection current 100 mA

SSS Relay
Connection current 2 A

SSS Relay
Connection current 1 A

Technical data

Input								
Nominal Control Voltage	**5 V DC**	**24 V DC**	**60 V DC**	**5 V DC**	**24 V DC**	**60 V DC**	**24 V DC**	**60 V DC**
Min./max. control voltage	0.8 V DC/6 V DC	16 V DC/30 V DC	52 V DC/72 V DC	2.5 V DC/6 V DC	18 V DC/30 V DC	35 V DC/72 V DC	18 ... 30 V DC	35 ... 72 V DC
Control current to U_{IN} = 24 V	4.1 mA	7 mA ± 10 %	2.8 mA ± 10 %	9 mA	7 mA ± 10 %	3.0 mA ± 10 %	3.1 mA ± 10 %	3.1 mA ± 10 %
Release Voltage	2.5 V DC	10 V DC	40 V DC	0.8 V DC	10 V DC	20 V DC	20 V DC	20 V DC
Control Circuit Resistance	–	approx. 4 kΩ	approx. 20 kΩ	approx. 5 kΩ	approx. 3.2 kΩ	approx. 16 kΩ	20 kΩ	20 kΩ
Output								
	Bipolar transistor			MOS-FET			TRIAC	
Load voltage	3 ... 48 V DC			3 ... 33 V DC			24 ... 240 V AC	
Permanent current to U_A > 5 V DC	100 mA DC			2 A DC			1 A AC	
Voltage drop (activation)	< 1 V DC			< 120 mV DC			< 1 V AC	
Insulation								
Test voltage between I/O	2.5 kV			2.5 kV			2.5 kV	
Other data								
Service temperature	–20 °C ... +60 °C			–20 °C ... +60 °C			–20 °C ... +60 °C	
Storage temperature scale	–40 °C ... +70 °C			–40 °C ... +70 °C			–40 °C ... +70 °C	
Weight	3.65 g			3.65 g			3.65 g	
Humidity	40°C/93% rel. humidity without condensation			40°C/93% rel. humidity without condensation			40°C/93% rel. humidity without condensation	
Approvals	cULus			cULus			cULus	
*TU 20 °C								
Schematic/circuit diagram								

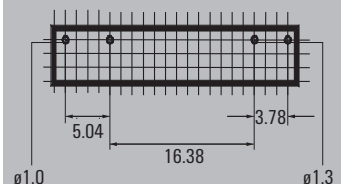
If you require more details, visit **www.vincotech.com**

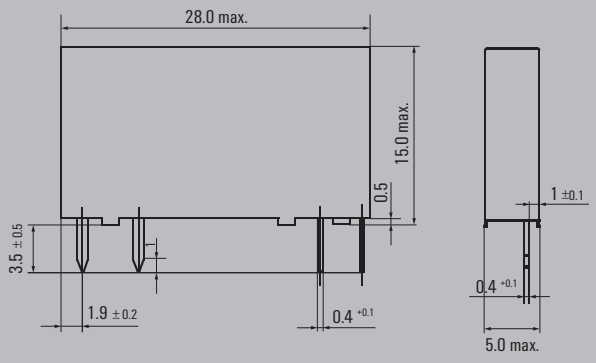
Ordering data

Nominal Control Voltage	Type	Order No.	Type	Order No.	Type	Order No.
5 V DC	SSS Relais 5 V/24 V 0.1 A DC	**4064320000**	SSS Relais 5 V / 24 V 2 A DC	**4064310000**		
24 V DC	SSS Relais 24 V/24 V 0.1 A DC	**4061180000**	SSS Relais 24 V/24 V 2 A DC	**4061190000**	SSS Relais 24 V/230 V 1 A AC	**4061210000**
60 V DC	SSS Relais 60 V/24 V 0.1 A DC	**4061230000**	SSS Relais 60 V/24 V 2 A DC	**4061200000**	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 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.

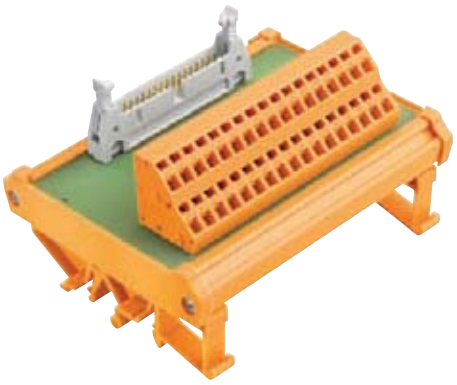
Weidmüller's universal interfaces for applications have the following individual features:
- Extruded profile for inserting the PCB
- End plates for fitting on the mounting rail
- Clip-on feet for locking on standardised mounting rails TS 32 and TS 35
- Printed circuit board where the following elements 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

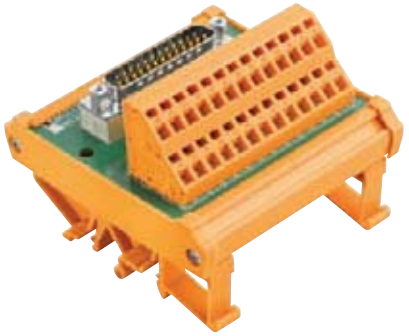
RS F – Interface for ribbon cable in accordance with IEC 603-1/ DIN41651



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.

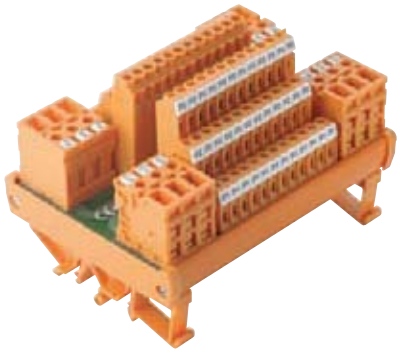
The ELCO connectors are used, for example, in electric power stations, refineries and in different processing applications in which a robust, reliable connection is needed for a large number of signals. The main feature of an ELCO connector is its reliability thanks to its hermaphrodite contact, which 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

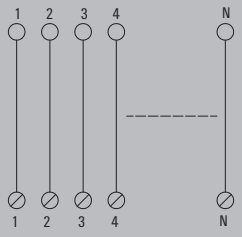
With pre-assembled cables for ELCO connectors, one end of the cable is prepared for connecting with the RS-ELCO interfaces. The other end is connected to a wire-end ferrule or to a female ELCO connector. Colour code acc. To DIN 47,100 and available in different lengths.

RS F - Interface for flat cable in accordance with IEC 603-1/ DIN 41651

Interface for flat cable in accordance with IEC 603-1/DIN 41651.

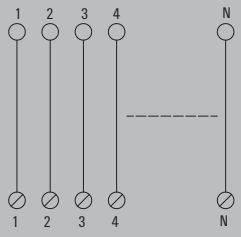
- Connection 1:1
- 10 to 64 poles
- Screw or tension clamp connection

RSF Z



N: Number of poles

RSF S



N: Number of poles

Technical data

	RSF Z	RSF S
Connection data		
Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651	Plug-in connector acc. IEC 603-1 / DIN 41651
Connection (field side)	LM2NZF 5.08mm	LP2N 5.08mm
Rated data		
Rated voltage	60 V AC / 75 V DC	60 V AC / 75 V DC
Rated current per connection	1 A	1 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+70 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	100 V	100 V
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Width x height	87 mm / 64 mm	87 mm / 70 mm
Note		

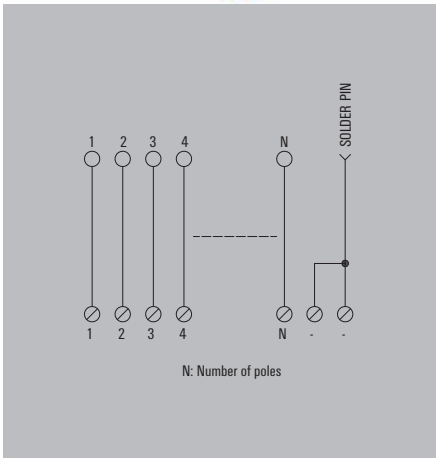
Ordering data

	RSF Z Type	RSF Z Length	RSF Z Order No.	RSF S Type	RSF S Length	RSF S Order No.
10-pole connector	RS F10 Z	50 mm	8537190000	RS F10 LP2N 5/10	50 mm	0224961001
14-pole connector	RS F14 Z	50 mm	8537200000	RS F14 LP2N 5/14	50 mm	0225061001
16-pole connector				RS F16 LP2N 5/16	55 mm	0225161001
20-pole connector	RS F20 Z	65 mm	8537110000	RS F20 LP2N 5/20	65 mm	0224261001
26-pole connector	RS F26 Z	80 mm	8537180000	RS F26 LP2N 5/26	80 mm	0224861001
34-pole connector	RS F34 Z	110 mm	8537130000	RS F34 LP2N 5/34	110 mm	0224361001
40-pole connector	RS F40 Z	115 mm	8537140000	RS F40 LP2N 5/40	115 mm	0224461001
50-pole connector	RS F50 Z	145 mm	8537150000	RS F50 LP2N 5/50	145 mm	0224561001
60-pole connector				RS F60 LP2N 5/60	180 mm	0224661001
64-pole connector				RS F64 LP2N 5/64	180 mm	0224761001
Note						

Accessories

	RSF Z	RSF S
Note	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



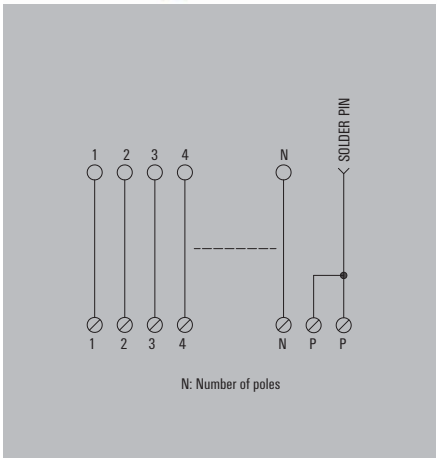
N: Number of poles

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 mm² / 6 mm²	
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



N: Number of poles

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 mm² / 1.5 mm²	
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**

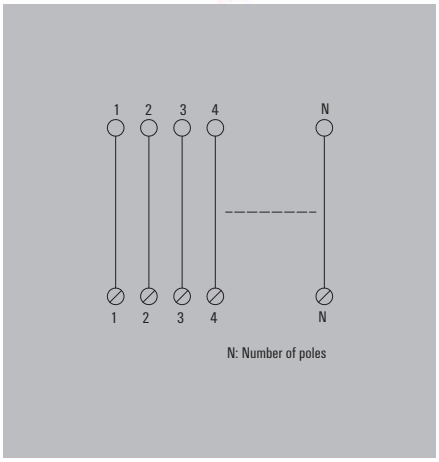
Refer to the "Universal cables PAC-UNIV" section in this chapter

RS SD - Interface for connector SUB-D in accordance with IEC 807-2/ DIN 41652

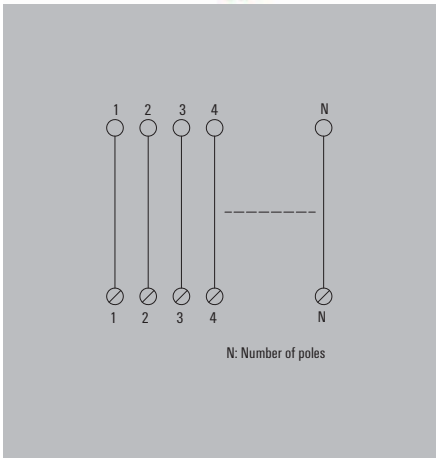
Interface for connector SUB-D in accordance with IEC 807-2/DIN 41652.

- Connection 1:1
- 9 to 50 poles
- Screw or tension clamp connection

RSSD Z



RSSD S



Technical data

	RSSD Z	RSSD S
Connection data		
Connection on control side	SUB-D plug, in compliance with IEC 807-2 / DIN 41652	SUB-D plug, in compliance with IEC 807-2 / DIN 41652
Connection (field side)	LM2NZF 5.08mm	LP2N 5.08mm
Rated data		
Rated voltage	100 V	100 V
Rated current per connection	1.5 A	1.5 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+70 °C	-40...+70 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	100 V	100 V
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 35, TS 32	TS 35, TS 32
Width x height	87 mm / 63.6 mm	87 mm / 76 mm
Note		

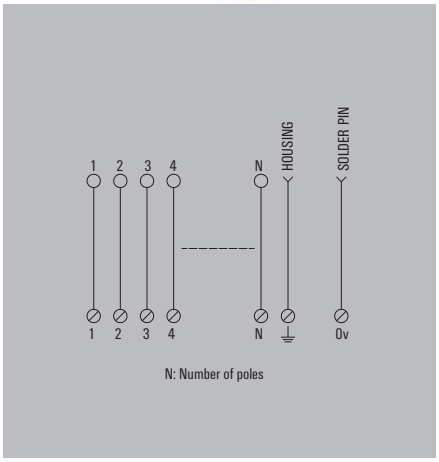
Ordering data

	Type	Length	Order No.	Type	Length	Order No.
9-pole male connector	RS SD9 SZ	45 mm	**8537260000**	RS SD9S UNC 4.40 LP2N	45 mm	**8003901001**
15-pole male connector	RS SD15 SZ	60 mm	**8537390000**	RS SD15S UNC 4.40 LP2N	60 mm	**8005201001**
25-pole male connector	RS SD25 SZ	80 mm	**8537370000**	RS SD25S UNC 4.40 LP2N	80 mm	**8005181001**
37-pole male connector	RS SD37 SZ	110 mm	**8537240000**	RS SD37S UNC 4.40 LP2N	110 mm	**8003881001**
50-pole male header	RS SD50 SZ	145 mm	**8537350000**	RS SD50S UNC 4.40 LP2N	154 mm	**8005161001**
9-pole female connector	RS SD9 BZ	45 mm	**8537320000**	RS SD9B UNC 4.40 LP2N	45 mm	**8003911001**
15-pole female connector	RS SD15 BZ	60 mm	**8537400000**	RS SD15B UNC 4.40 LP2N	60 mm	**8005211001**
25-pole female connector	RS SD25 BZ	80 mm	**8537380000**	RS SD25B UNC 4.40 LP2N	80 mm	**8005191001**
37-pole female connector	RS SD37 BZ	110 mm	**8537250000**	RS SD37B UNC 4.40 LP2N	110 mm	**8003891001**
50-pole female connector	RS SD50 BZ	87 mm	**8537360000**	RS SD50B UNC 4.40 LP2N	154 mm	**8005171001**
Note						

Accessories

	RSSD Z	RSSD S
Note	Refer to the "Universal cables PAC-UNIV" section in this chapter	Refer to the "Universal cables PAC-UNIV" section in this chapter

RSSD/ COMPACT

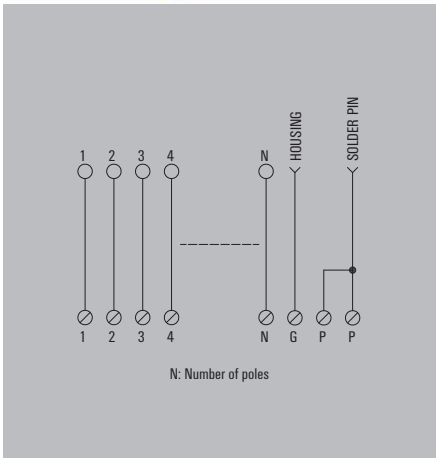


SUB-D plug, in compliance with IEC 807-2 / DIN 41652
LP3R 5.08mm
100 V
1.5 A
0...+55°C
-40...+70 °C
CE; GOSTME25
100 V
II
2
0.8 kV
0.13 mm² / 6 mm²
TS 35, TS 32
87 mm / 80 mm

Type	Length	Order No.
RS SD9S LP3R	40 mm	**8019930000**
RS SD15S LP3R	45 mm	**8019940000**
RS SD25S LP3R	60 mm	**8019950000**
RS SD37S LP3R	80 mm	**8019960000**
RS SD50S LP3R	145 mm	**8019970000**
RS SD9B LP3R	40 mm	**8019880000**
RS SD15B LP3R	45 mm	**8019890000**
RS SD25B LP3R	60 mm	**8019900000**
RS SD37B LP3R	80 mm	**8019910000**
RS SD50B LP3R	100 mm	**8019920000**

Refer to the "Universal cables PAC-UNIV" section in this chapter

RSSD / RS45



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 mm² / 1.5 mm²
TS 35
45 mm / 65.5 mm

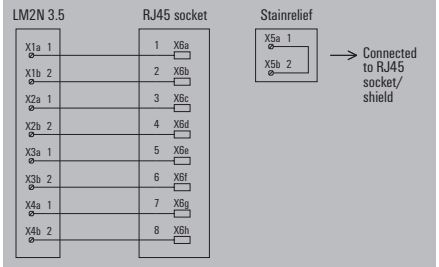
Type	Length	Order No.
RS SD9S UNC LPK2	50 mm	**8259010000**
RS SD15S UNC LPK2	61 mm	**8233350000**
RS SD25S UNC LPK2	86 mm	**8155650000**
RS SD37S UNC LPK2	116 mm	**8155660000**
RS SD50S UNC LPK2	154 mm	**8155670000**
RS SD9B UNC LPK2	50 mm	**8216480000**
RS SD15B UNC LPK2	61 mm	**8209730000**
RS SD25B UNC LPK2	86 mm	**8155620000**
RS SD37B UNC LPK2	116 mm	**8155630000**
RS SD50B UNC LPK2	45 mm	**8155640000**

Refer to the "Universal cables PAC-UNIV" section in this chapter

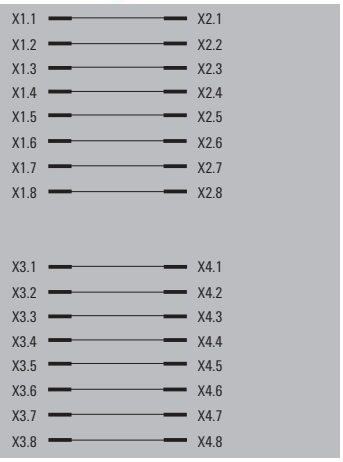
RS RJ45 - Interfaces with RJ45 connector

- 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	RJ45 plug-in connectors	2 x RJ45 connector
Connection (field side)	LM2N 3.5mm	2 x RJ45 plug-in connectors
Rated data		
Rated voltage	50 V	50 V
Rated current per connection	1 A	1 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+70 °C	-40...+70 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV
Dimensions	**Screw connection**	
Clamping range, min. /max. [Field]	0.08 mm² / 2.08 mm²	
Mounting rail	TS 35, TS 32	TS 35
Width x height	70 mm / 48 mm	45 mm / 44.2 mm
Note	Connect shielding of data line to protective earth at one end	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 2WAY	46.8 mm	**8555440000**

Note

Accessories

Note

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	150 V AC / 200 V DC	150 V AC / 200 V DC
Rated current per connection	1.5 A	1.5 A
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	< 150 V AC	< 150 V AC
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	2.5 kV	2.5 kV

Dimensions	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Width x height	70 mm / 60 mm	70 mm / 60 mm
Note	Polarizer in position 1	Polarizer in position 1

Ordering data

	Type	Length	Order No.	Type	Length	Order No.
20-pole	RS ELCO 20/20RM S	60 mm	**1126610000**	RS ELCO 20/20RM Z	60 mm	**1126620000**
20-pole	RS ELCO 20/20LM S	60 mm	**1126630000**	RS ELCO 20/20LM Z	60 mm	**1126640000**
38-pole	RS ELCO 38/38RM S	105 mm	**1126650000**	RS ELCO 38/38RM Z	105 mm	**1126660000**
38-pole	RS ELCO 38/38LM S	105 mm	**1126670000**	RS ELCO 38/38LM Z	105 mm	**1126680000**
56-pole	RS ELCO 56/32RM S	95 mm	**1126690000**	RS ELCO 56/32RM Z	95 mm	**1126700000**
56-pole	RS ELCO 56/32LM S	95 mm	**1126710000**	RS ELCO 56/32LM Z	95 mm	**1126720000**
56-pole	RS ELCO 56/54RM S	155 mm	**1126730000**	RS ELCO 56/54RM Z	155 mm	**1126740000**
56-pole	RS ELCO 56/54LM S	155 mm	**1126750000**	RS ELCO 56/54LM Z	155 mm	**1126760000**
56-pole	RS ELCO 56/56RM S	155 mm	**1126770000**	RS ELCO 56/56RM Z	155 mm	**1126780000**
56-pole	RS ELCO 56/56LM S	155 mm	**1126790000**	RS ELCO 56/56LM Z	155 mm	**1126800000**
90-pole						
90-pole						
Note						

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

Screw connection
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

Tension clamp connection
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

Pin assignement

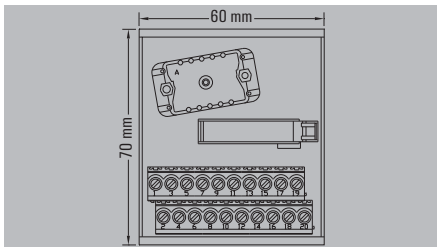
ELCO connector 20-pole	RS ELCO 20/20RM S/Z RS ELCO 20/20LM S/Z
A	1
B	2
C	3
D	4
E	5
F	6
H	7
J	8
K	9
L	10
M	11
N	12
P	13
R	14
S	15
T	16
U	17
V	18
W	19
X	20
Note	

ELCO connector 38-pole	RS ELCO 38/38RM S/Z 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	

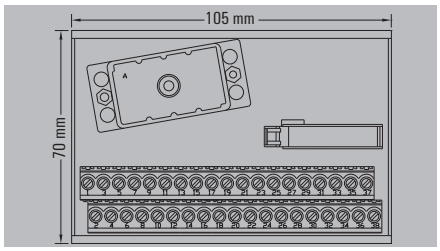
ELCO connector 56-pole	RS ELCO 56/32RM S/Z RS ELCO 56/32LM S/Z	RS ELCO 56/54RM S/Z RS ELCO 56/54LM S/Z	RS ELCO 56/56RM S/Z RS ELCO 56/56LM S/Z
A	1	1	1
B	2	2	2
C	3	3	3
D	4	4	4
E	5	5	5
F	6	6	6
H	7	7	7
J	8	8	8
K	9	9	9
L	10	10	10
M	11	11	11
N	12	12	12
P	13	13	13
R	14	14	14
S	15	15	15
T	16	16	16
U	17	17	17
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 90-pole	RS ELCO 90/90RM S/Z 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	

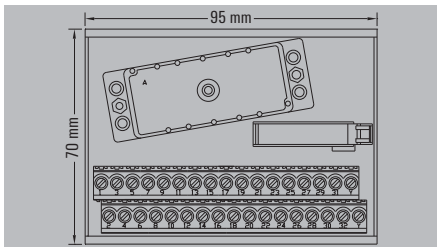
RS ELCO Dimensional Drawings



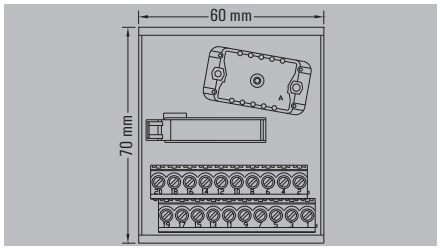
ELCO 20/20L LEFT



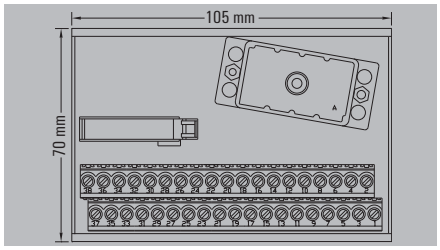
ELCO 38/38L LEFT



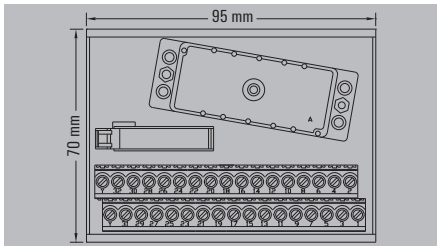
ELCO 56/32L LEFT



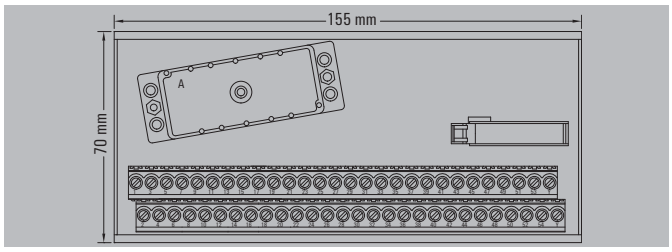
ELCO 20/20R RIGHT



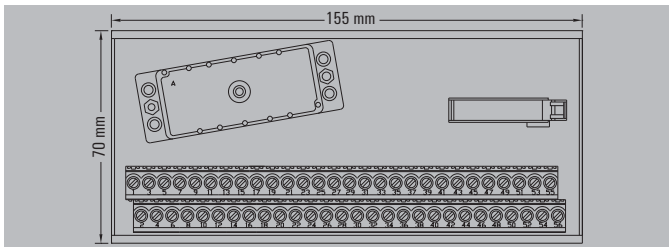
ELCO 38/38R RIGHT



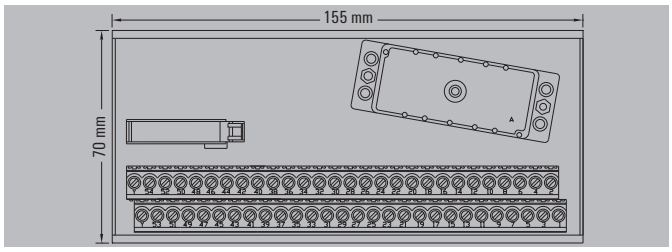
ELCO 56/32R RIGHT



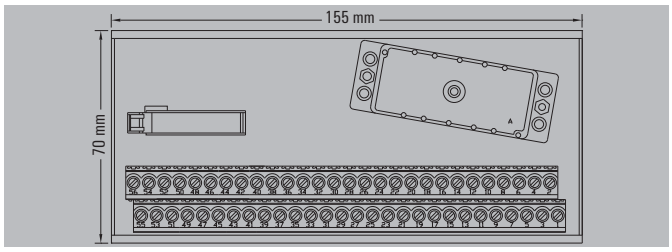
ELCO 56/54L LEFT



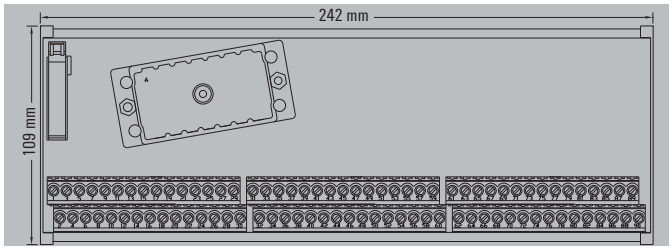
ELCO 56/56L LEFT



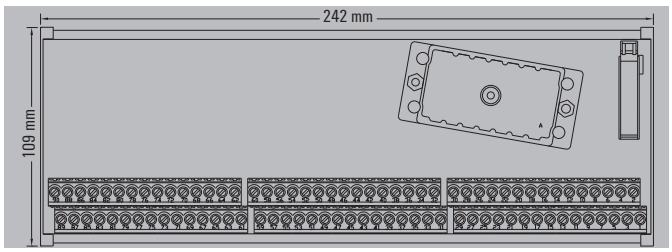
ELCO 56/54R RIGHT



ELCO 56/56R RIGHT



ELCO 90/90L LEFT



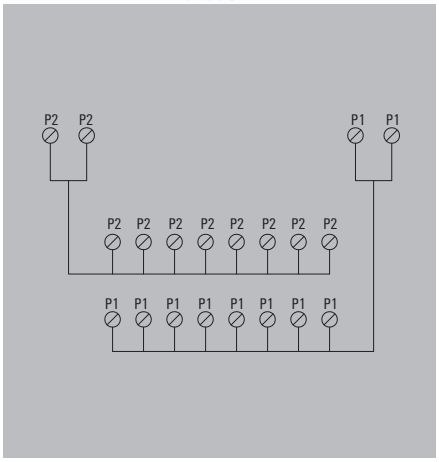
ELCO 90/90R RIGHT

RS VERT - Supply voltage distributor modules

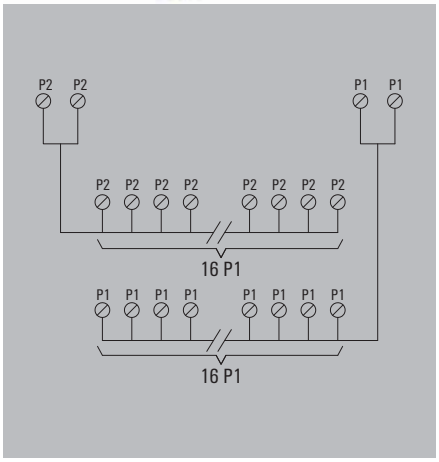
RS VERT - 2 potentials

- 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. 30 V	max. 30 V
Max. current per distribution terminal	5 A	5 A
Max. current per voltage potential	5 A	5 A
Total operating current	10 A	10 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 50 V AC	< 50 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	0.8 kV	0.8 kV

Dimensions	Screw connection	Screw connection
Clamping range, min. /max. [Field]	0.15 mm² / 1.5 mm²	0.15 mm² / 1.5 mm²
Clamping range, min. /max. [supply]	0.15 mm² / 1.5 mm²	0.15 mm² / 1.5 mm²
Mounting rail	TS 35	TS 35
Length x width	51.5 mm / 45 mm	92.5 mm / 45 mm
Note	The module may be used for a nominal voltage of 250 V AC, considering an overvoltage category of II	The module may be used for a nominal voltage of 250 V AC, considering an overvoltage category of II

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	RS VERT8 LPK2	64 mm	**8252010000**	RS VERT16 LPK2	64 mm	**8234620000**

Note

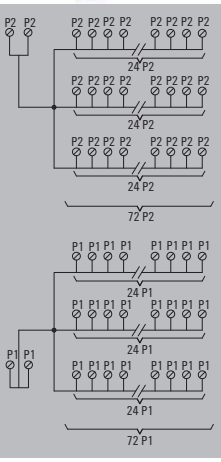
Accessories

Note

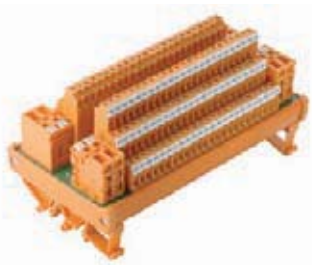
RS VERT - 2 and 3 potentials

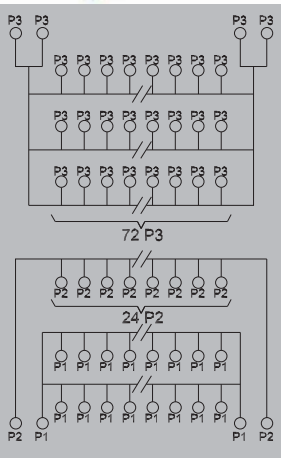
- Distribution module with 2, 3, 4 or 6 potentials
- Distribution current from 10 to 120 A
- Screw or tension clamp connection

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	< 600 V AC
Max. current per distribution terminal	10 A	15 A
Max. current per voltage potential	10 A	30 A
Total operating current	20 A	90 A
General data		
Ambient temperature (operational)	0...+55°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; ROHS
Insulation coordination (EN50178)		
Rated insulation voltage	< 300 V AC	< 600 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	4 kV	6 kV

Dimensions	Screw connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.15 mm² / 1.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.15 mm² / 6 mm²	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	160 mm / 109 mm	168 mm / 87 mm	168 mm / 87 mm
Note			

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	RS LPK3/144 VERT	68 mm	**8199510000**	RS VERT 3P 48/24/72 S	83 mm	**1128080000**
Tension clamp connection				RS VERT 3P 48/24/72 Z	75 mm	**1128090000**

Note

Accessories

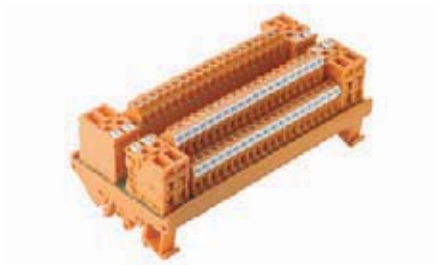
Note

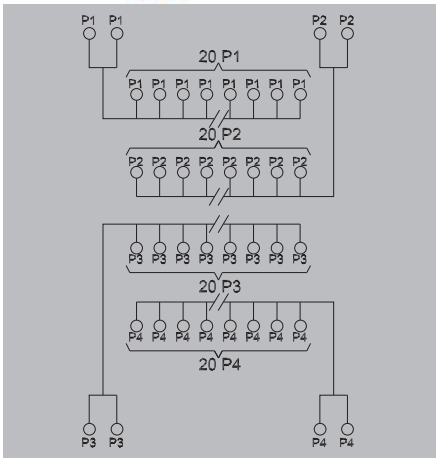
RS VERT - Supply voltage distributor modules

RS VERT - 4 and 6 potentials

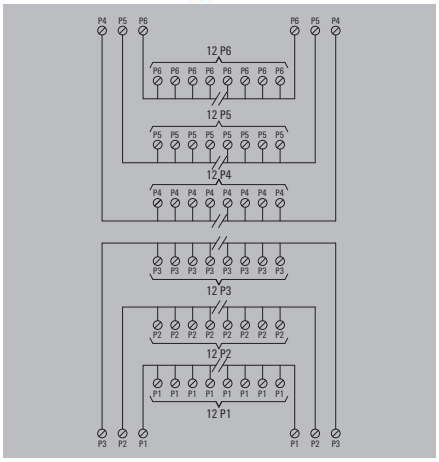
- Distribution module with 2, 3, 4 or 6 potentials
- Distribution current from 10 to 120 A
- Screw or tension clamp connection

RS VERT 4P/4X20P S/Z





RS VERT 6P/6X12P S/Z



Technical data

Rated data		
Operating voltage	< 600 V AC	250 V AC
Max. current per distribution terminal	15 A	15 A
Max. current per voltage potential	30 A	20 A
Total operating current	120 A	120 A
General data		
Ambient temperature (operational)	-25...+50°C	-25...+50°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; ROHS	CE; ROHS
Insulation coordination (EN50178)		
Rated insulation voltage	< 600 V AC	< 300 V AC
Surge voltage category	III	III
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	6 kV	4 kV

Dimensions	Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²	0.13 mm² / 6 mm²	0.13 mm² / 2.5 mm²
Clamping range, min. /max. [supply]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
Length x width	145 mm / 70 mm	145 mm / 70 mm	122 mm / 87 mm	122 mm / 87 mm
Note				

Ordering data

	Type	Height	Order No.	Type	Height	Order No.
Screw connection	RS VERT 4P 20X4 S	55 mm	**1128100000**	RS VERT 6P 12X6 S	83 mm	**1128120000**
Tension clamp connection	RS VERT 4P 20X4 Z	52 mm	**1128110000**	RS VERT 6P 12X6 Z	75 mm	**1128130000**

Note

Accessories

Note

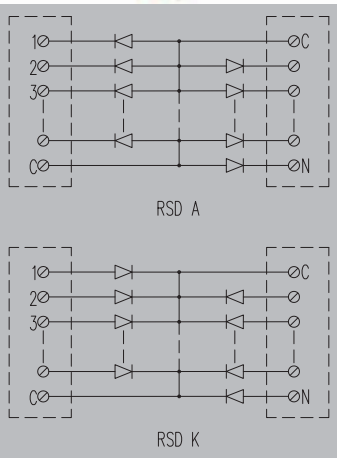
RSD - interfaces with diodes

Diode bases for current peak protection, lamp tests or preventing reverse polarity.

- Diode 1N4007
- Mounting on TS32/35

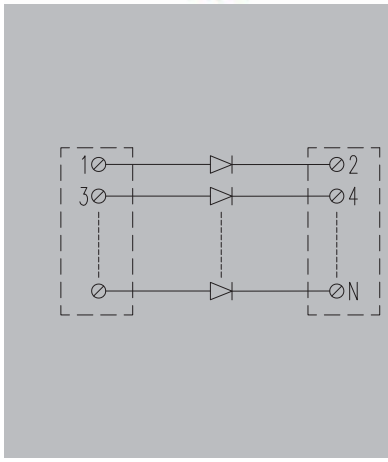
RSD A / RSD K

Common anode or cathode



RSD

Independent diodes



Technical data

Rated data		
Operating voltage	230 V	230 V
Rated current per connection	1 A	1 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE	CE
Insulation coordination (EN50178)		
Rated insulation voltage	230 V	230 V
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	2 kV	2 kV

Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35	TS 32, TS 35
Width x height	70 mm / 42 mm	70 mm / 42 mm
Note		

Ordering data

	Type	Length	Order No.	Type	Length	Order No.
10 independent diodes				RSD 10 LP/LP	60 mm	**8022901001**
12 independent diodes				RSD 12 LP/LP	65 mm	**0181461001**
20 independent diodes				RSD 20 LP/LP	120 mm	**8022911001**
40 independent diodes				RSD 40 LP/LP	220 mm	**8022921001**
5 A diodes (shared plus pole)	RSD A5 LP/LP	20 mm	**1312740000**			
5 K diodes (shared negative pole)	RSD K5 LP/LP	20 mm	**1312750000**			
10 A diodes (shared plus pole)	RSD A10 LP/LP	35 mm	**1312760000**			
10 K diodes (shared negative pole)	RSD K10 LP/LP	35 mm	**1312770000**			
20 A diodes (shared plus pole)	RSD A20 LP/LP	60 mm	**1312780000**			
20 K diodes (shared negative pole)	RSD K20 LP/LP	60 mm	**1312790000**			
22 A diodes (shared plus pole)	RSD A22 LP/LP	65 mm	**0180961001**			
Note						

Accessories

Note		

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	≤ 60 V DC ≤ 25 V AC	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1.00	1.00
Total current, max.	3.00	3.00
Resistance	≤ 150mΩ/m	≤ 150mΩ/m
Capacity wire / wires	300 pF/m	300 pF/m
Capacity wire / shield	300 pF/m	300 pF/m
Cable features		
Cable	Cable LiYY	Cable LiYY
Material	PVC	PVC
Wire cross-section	0.14 mm²	0.14 mm²
General data		
Ambient temperature (operational)	-10...+50°C	-10...+50°C
Storage temperature	-10...+60 °C	-10...+60 °C

Note

Ordering data

	Type	Qty.	Order No.	Type	Qty.	Order No.
10-pole connector	PAC-UNIV-HE10-F-1M		1349730010	PAC-UNIV-HE10-HE10-1M		1349630010
14-pole connector	PAC-UNIV-HE14-F-1M		1349740010	PAC-UNIV-HE14-HE14-1M		1349640010
16-pole connector	PAC-UNIV-HE16-F-1M		1349770010	PAC-UNIV-HE16-HE16-1M		1349650010
20-pole connector	PAC-UNIV-HE20-F-1M		1349790010	PAC-UNIV-HE20-HE20-1M		1349670010
26-pole connector	PAC-UNIV-HE26-F-1M		1349820010	PAC-UNIV-HE26-HE26-1M		1349680010
34-pole connector	PAC-UNIV-HE34-F-1M		1349840010	PAC-UNIV-HE34-HE34-1M		1349690010
40-pole connector	PAC-UNIV-HE40-F-1M		1349880010	PAC-UNIV-HE40-HE40-1M		1349700010
50-pole connector	PAC-UNIV-HE50-F-1M		1349900010	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	≤ 60 V DC ≤ 25 V AC	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1.00	1.00
Total current, max.	3.00	3.00
Resistance	≤ 80 mΩ/m	≤ 80 mΩ/m
Capacity wire / wires	300 pF/m	300 pF/m
Capacity wire / shield	300 pF/m	300 pF/m
Cable features		
Cable	Cable LiYCY	Cable LiYCY
Material	PVC	PVC
Wire cross-section	0.25 mm²	0.25 mm²
General data		
Ambient temperature (operational)	-10...+50°C	-10...+50°C
Storage temperature	-10...+60 °C	-10...+60 °C

Note

Ordering data

	Type	Qty.	Order No.	Type	Qty.	Order No.
9-pole male connector	PAC-UNIV-D9M-F-1M		1350400010	PAC-UNIV-D9M-D9M-1M		1349750010
15-pole male connector	PAC-UNIV-D15M-F-1M		1350420010	PAC-UNIV-D15M-D15M-1M		1349780010
25-pole male connector	PAC-UNIV-D25M-F-1M		1350430010	PAC-UNIV-D25M-D25M-1M		1349800010
37-pole male connector	PAC-UNIV-D37M-F-1M		1350440010	PAC-UNIV-D37M-D37M-1M		1349830010
50-pole male header	PAC-UNIV-D50M-F-1M		1350450010	PAC-UNIV-D50M-D50M-1M		1349850010
9-pole female connector	PAC-UNIV-D9F-F-1M		1350470010	PAC-UNIV-D9F-D9F-1M		1349870010
15-pole female connector	PAC-UNIV-D15F-F-1M		1350480010	PAC-UNIV-D15F-D15F-1M		1349890010
25-pole female connector	PAC-UNIV-D25F-F-1M		1350490010	PAC-UNIV-D25F-D25F-1M		1349920010
37-pole female connector	PAC-UNIV-D37F-F-1M		1350500010	PAC-UNIV-D37F-D37F-1M		1349930010
50-pole female connector	PAC-UNIV-D50F-F-1M		1350520010	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

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	≤ 60 V DC ≤ 25 V AC
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 LiYCY
Material	PVC
Wire cross-section	0.25 mm²
General data	
Ambient temperature (operational)	-10...+50°C
Storage temperature	-10...+60 °C

Note	

Ordering data

	Type	Qty.	Order No.
9-pole male connector	PAC-UNIV-D9M-D9F-1M	1	**1349950010**
15-pole male connector	PAC-UNIV-D15M-D15F-1M		**1349970010**
25-pole male connector	PAC-UNIV-D25M-D25F-1M		**1349980010**
37-pole male connector	PAC-UNIV-D37M-D37F-1M		**1349990010**
50-pole male connector	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	

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 LiYCY
Material	PVC
Wire cross-section	0.25 mm²
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	PAC-ELCO20-F20-F20-1M	1	7789760010
20-pole socket / Ferrules	PAC-ELCO20-F20-F-1M	1	7789761010
38-pole socket / 38-pole socket	PAC-ELCO38-F38-F38-1M	1	7789762010
38-pole socket / Ferrules	PAC-ELCO38-F38-F-1M	1	7789763010
56-pole socket / 56-pole socket (32-pole connected only)	PAC-ELCO56-F32-F32-1M	1	7789773010
56-pole socket / Ferrules (32-pole connected only)	PAC-ELCO56-F32-F1M	1	7789774010
56-pole socket / 56-pole socket (54-pole connected only)	PAC-ELCO56-F54-F54-1M	1	7789775010
56-pole socket / Ferrules (54-pole connected only)	PAC-ELCO56-F54-F-1M	1	7789776010
56-pole socket / 56-pole socket	PAC-ELCO56-F56-F56-1M	1	7789764010
56-pole socket / Ferrules	PAC-ELCO 56-F56-F-1M	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

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:

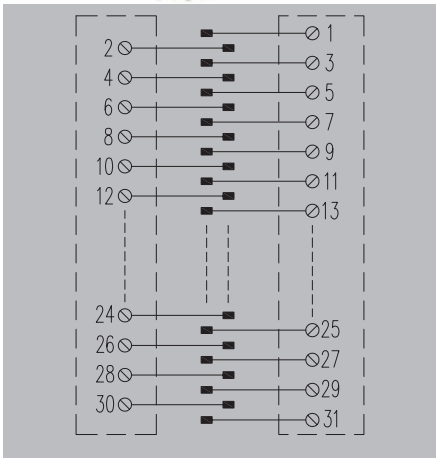
- Snap-fit base and mechanism for securing the card
- Assembly plate and feet for direct assembly or for locking on DIN rails
- Printed circuit board where the following features can be identified:
  - o Plug-in connectors acc. IEC 603/DIN 41612 and DIN 41617
  - o Weidmüller terminals for screw connection

SKH2 Card holders

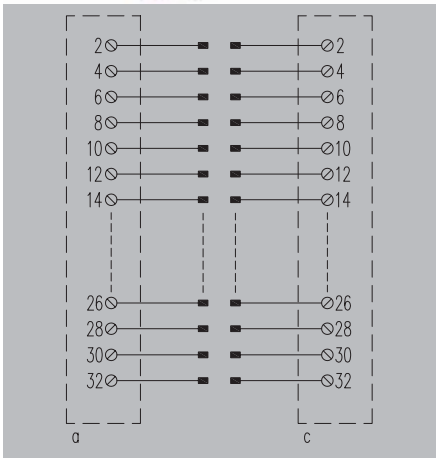
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH2 31



SKH2 D32 LP



Technical data

Connection data		
Connection on control side	Plug-in connector, acc. to DIN 41617 female	Plug-in connector, acc. to DIN 41612 female
Type (control side)		32D
Number of poles (control side)	31-pole female	32-pole female
Contact assembly	a and b	a and c
Design of the pluggable board	100x160 mm euro format for 19" racks	100x160 mm euro format for 19" racks
Rated data		
Rated voltage	125 V AC / 150 V DC	250 V UC
Rated current per connection	4 A	4 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 150 V AC	250 V
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	2.1 kV
Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Length x width x height	60.7 mm / 160 mm / 192.5 mm	55 mm / 160 mm / 192.5 mm
Note		

Ordering data

Type	Order No.
SKH2 31 LP	**8174800000**

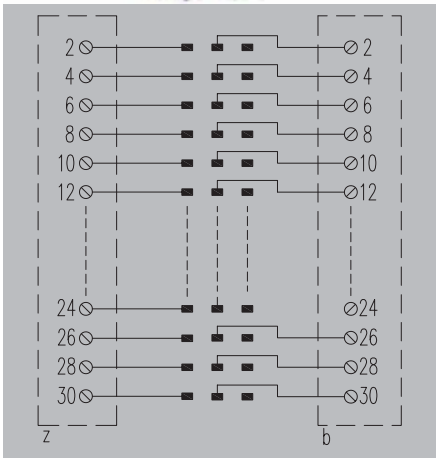
Type	Order No.
SKH2 D32 LP	**8174830000**

Note

Accessories

Note	
	Kit for connection to TS35 8209340000
	Kit for connection to TS35 8209340000

SKH2 F32 Z+B



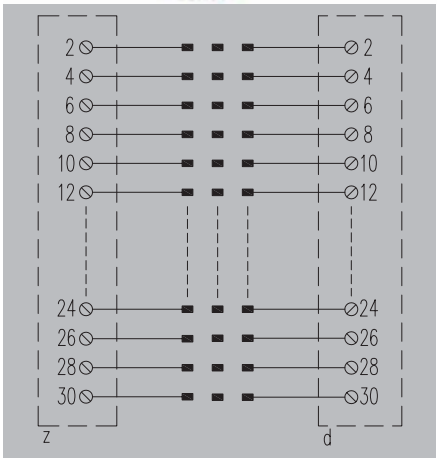
Plug-in connector, acc. to DIN 41612 female
32F
32-pole female
z and b
100x160 mm euro format for 19" racks
250 V UC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
250 V
II
2
2.1 kV

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**

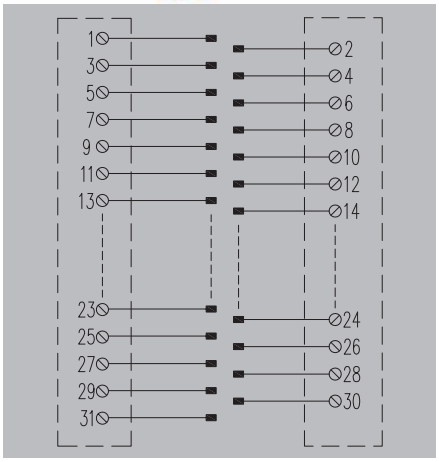
Kit for connection to TS35 8209340000

SKH

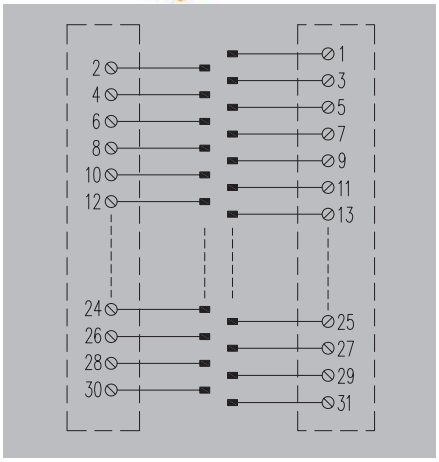
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH31



SKH31 250VAC



Technical data

Connection data		
Connection on control side	Plug-in connector, acc. to DIN 41617 female	Plug-in connector, acc. to DIN 41617 female
Type (control side)		
Number of poles (control side)	31-pole female	31-pole female
Contact assembly	a and b	a and b
Design of the pluggable board	100x160 mm euro format for 19" racks	100x160 mm euro format for 19" racks
Rated data		
Rated voltage	125 V AC / 150 V DC	250 V UC
Rated current per connection	4 A	4 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 150 V AC	250 V
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	2.1 kV
Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Length x width x height	47.5 mm / 131 mm / 144 mm	47.5 mm / 131 mm / 144 mm
Note		

Ordering data

	Type	Order No.
1 clamping bracket	SKH 31 LP RH1	0586661001
2 clamping brackets		

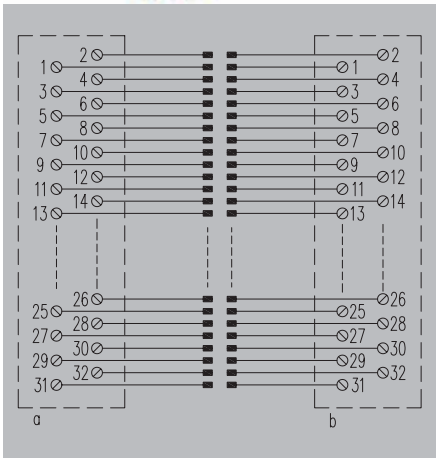
	Type	Order No.
	SKH 31 LP 250VAC RH1	0648661001

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

SKH B64

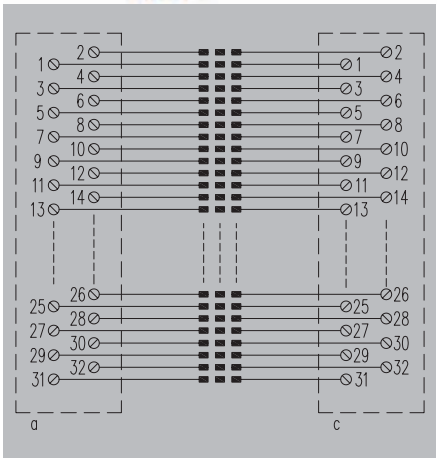


Plug-in connector, acc. to DIN 41612 female
B64
64-pole female
a and b
100x160 mm euro format for 19" racks
125 V AC / 150 V DC
1 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 150 V AC
II
2
1.5 kV
0.13 mm² / 6 mm²
76 mm / 131 mm / 144 mm

Type	Order No.
SKH B64 RH2	0577360000

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

SKH C64

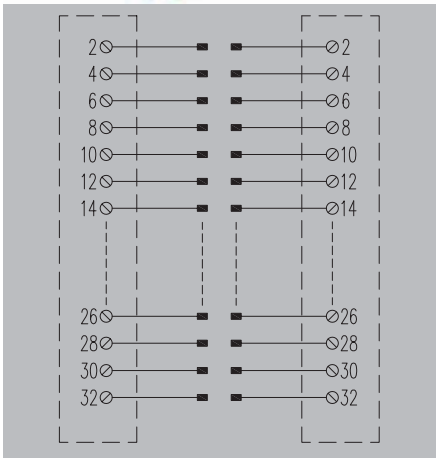


Plug-in connector, acc. to DIN 41612 female
64C
64-pole female
a and c
100x160 mm euro format for 19" racks
125 V AC / 150 V DC
1 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 150 V AC
II
2
1.5 kV
0.13 mm² / 6 mm²
76 mm / 131 mm / 144 mm

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
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
0.13 mm² / 6 mm²
50.8 mm / 131 mm / 144 mm

Type	Order No.
SKH D32 LP 5/16 RH2	0586761001

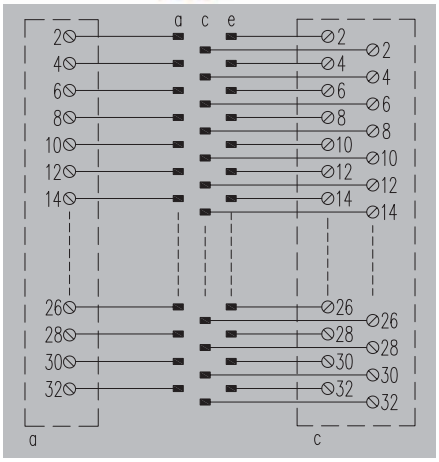
Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

SKH

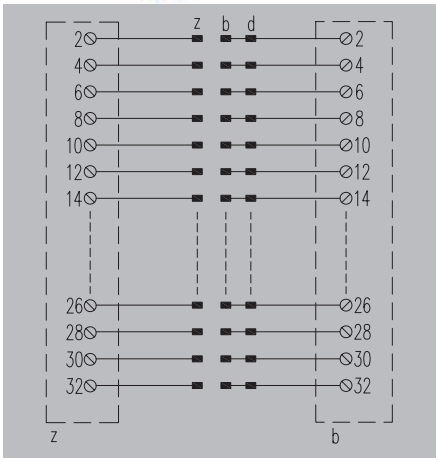
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH E48



SKF F32 Z+B



Technical data

Connection data		
Connection on control side	Plug-in connector, acc. to DIN 41612 female	Plug-in connector, acc. to DIN 41612 female
Type (control side)	48E	32F
Number of poles (control side)	48-pole female	32-pole female
Contact assembly	e, c, a	z and b
Design of the pluggable board	100x160 mm euro format for 19" racks	100x160 mm euro format for 19" racks
Rated data		
Rated voltage	125 V AC / 150 V DC	250 V UC
Rated current per connection	4 A	4 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+60 °C	-40...+60 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	< 150 V AC	250 V
Surge voltage category	II	II
Pollution severity level	2	2
Pulse voltage test (1,2/50µs)	1.5 kV	2.1 kV
Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Length x width x height	69 mm / 131 mm / 144 mm	50.8 mm / 131 mm / 144 mm
Note		

Ordering data

	Type	Order No.
1 clamping bracket	SKH E48 LP2/LP	**0690660000**
2 clamping brackets		

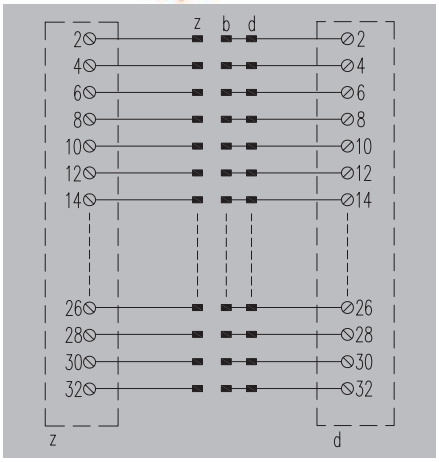
	Type	Order No.
	SKH F32 (Z&B) LP RH2	**0586861001**

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 mm² / 6 mm²	
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 mm² / 6 mm²	
56 mm / 131 mm / 144 mm	

Type	Order No.
SKH F48	0587060000

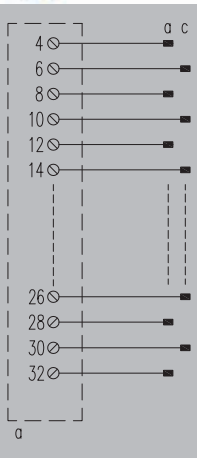
Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

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	Plug-in connector, acc. to DIN 41612 female
Type (control side)	15H
Number of poles (control side)	15-pole female
Contact assembly	a and c
Design of the pluggable board	100x160 mm euro format for 19" racks
Rated data	
Rated voltage	250 V UC
Rated current per connection	10 A
General data	
Ambient temperature (operational)	0...+55°C
Storage temperature	-40...+60 °C
Approvals	CE; GOSTME25
Insulation coordination (EN50178)	
Rated insulation voltage	250 V
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.1 kV

Dimensions	
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²
Length x width x height	56 mm / 131 mm / 144 mm
Note	

Ordering data

	Type	Order No.
1 clamping bracket	SKH H15S	**8051300000**
2 clamping brackets		

Note	

Accessories

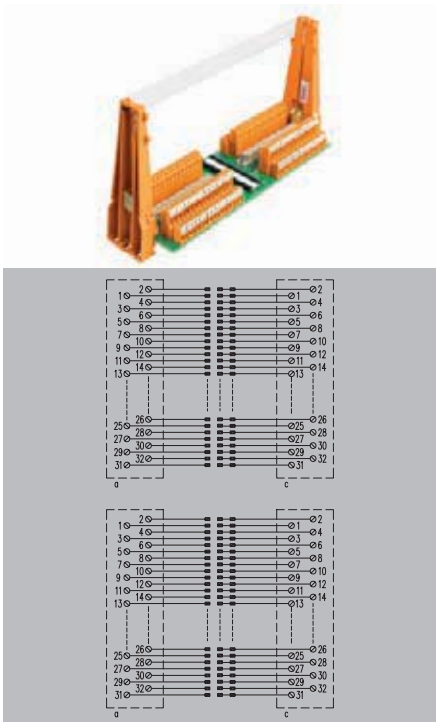
Note	Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

SKH x 2

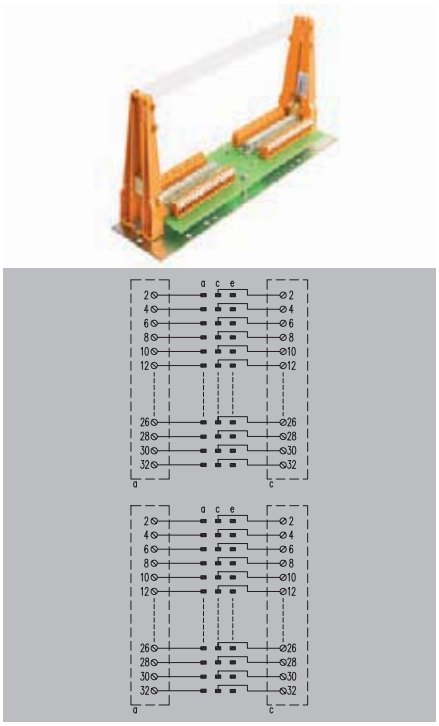
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- 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	Plug-in connector, acc. to DIN 41612 female	Plug-in connector, acc. to DIN 41612 female
Type (control side)	64C	32D
Number of poles (control side)	64-pole female	32-pole female
Contact assembly	a and c	a and c
Design of the pluggable board	233x160 mm double euro format for 19" enclosures	233x160 mm double euro format for 19" enclosures
Rated data		
Rated voltage	125 V AC / 150 V DC	125 V AC / 150 V DC
Rated current per connection	1 A	4 A
General data		
Ambient temperature (operational)	0...+55°C	0...+55°C
Storage temperature	-40...+70 °C	-40...+70 °C
Approvals	CE; GOSTME25	CE; GOSTME25
Insulation coordination (EN50178)		
Rated insulation voltage	125 V AC	125 V AC
Surge voltage category	II	II
Pollution severity	2	2
Pulse voltage test (1,2/50µs)	1.1 kV	1.1 kV
Dimensions		
Clamping range, min. /max. [Field]	0.13 mm² / 6 mm²	0.13 mm² / 6 mm²
Length x width x height	69 mm / 286 mm / 144 mm	69 mm / 286 mm / 144 mm
Note		

Ordering data

	Type	Order No.
1 clamping bracket	SKH C64*2 (A&C) RH2	8013120000

Type	Order No.
SKH D32*2 LP5.08/16 RH2	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

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.





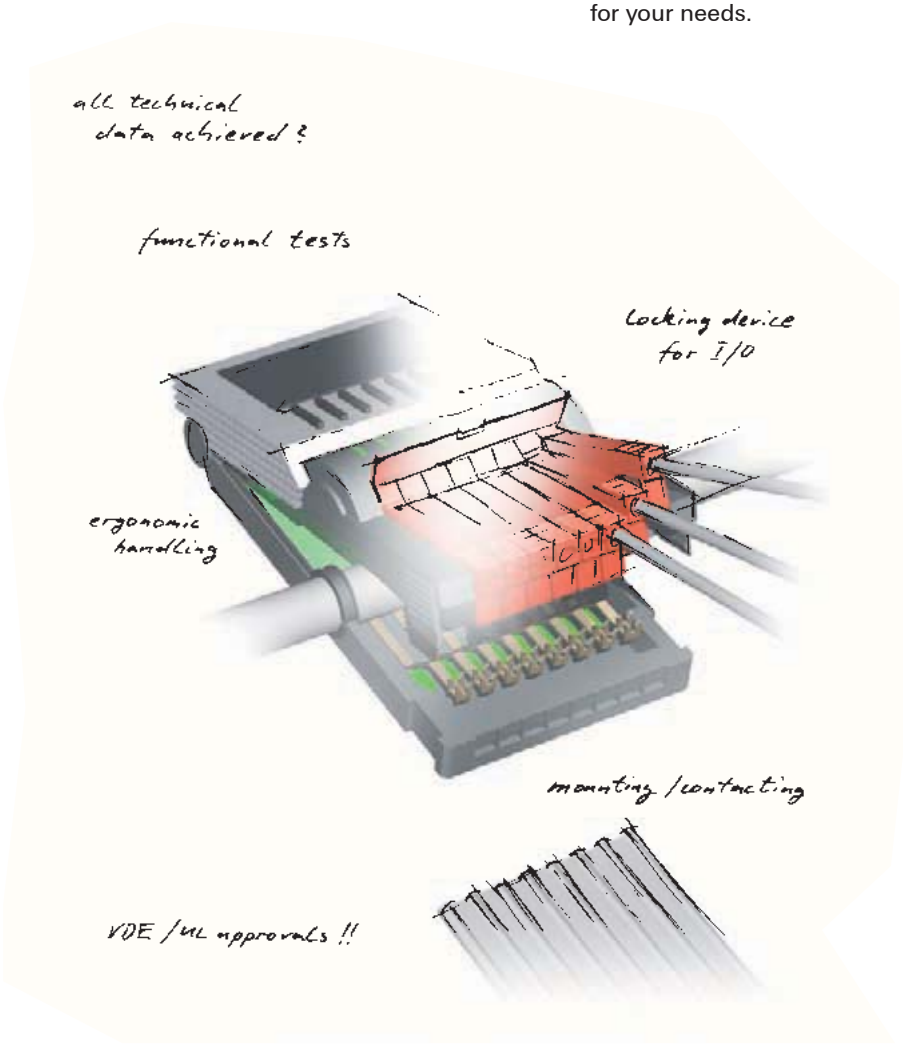

Individual product development for your success

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.

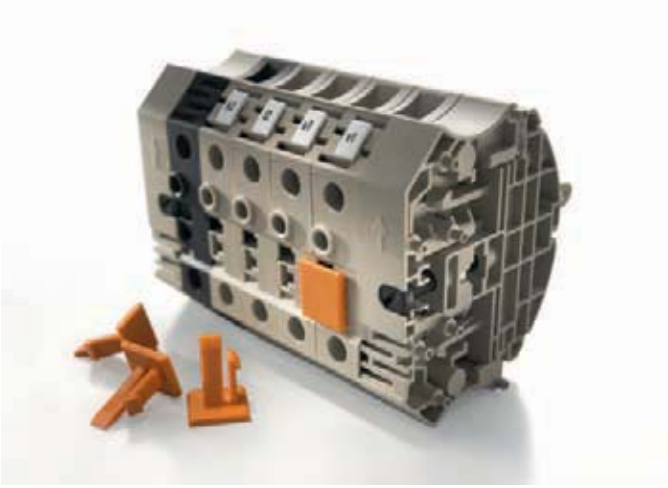
A connecting partnership
The development of individual products means making the most of the experience and competencies available in the partnership. Our project management provides a professional and quality approach - from concept and design through to development, implementation and production. Our 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 expeience 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, feasability 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.

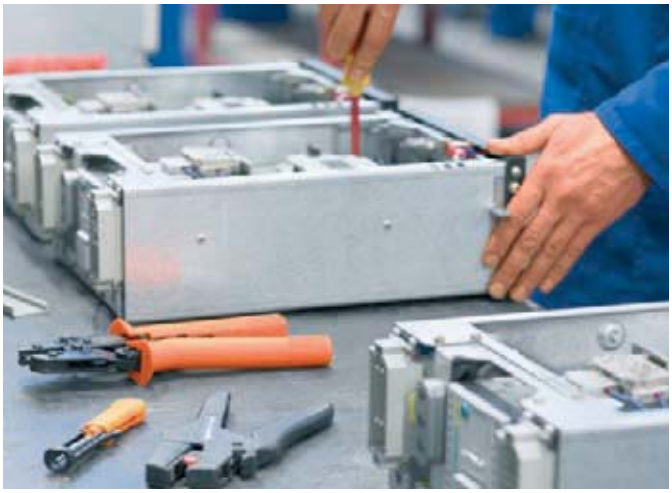
Customer specific assembly, tailored configuration

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 Weidmuller, 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



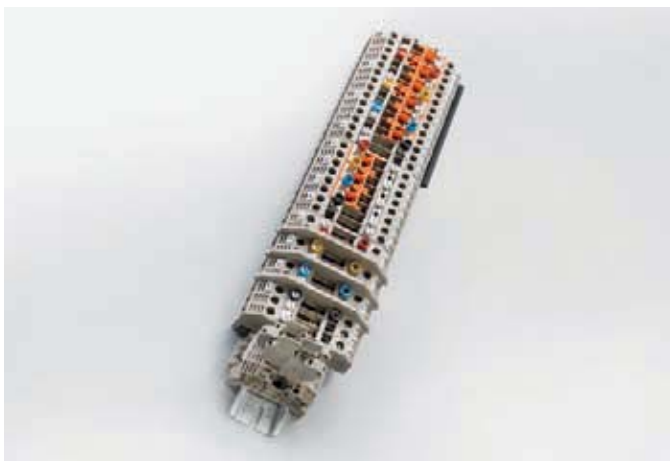
Take advantage of:
- **Simple ordering and stockholding information**
  One solution – one item number! It will no longer be necessary to order single components. Article variety and stockholding will be reduced.
- **Professional assembly**
  All individual components will be pre-assembled, reducing 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**

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.

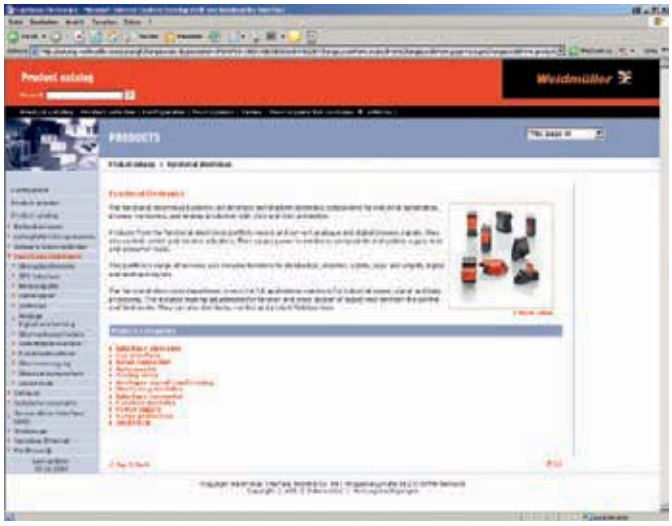
Provision of all relevant data
During the selection, you can choose filters for the terminal strips, such as length, connection technology or dimensional cross-section and, for the enclosure, you can choose material, size, holes etc. If a product is then selected and combined, the user can view all of 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

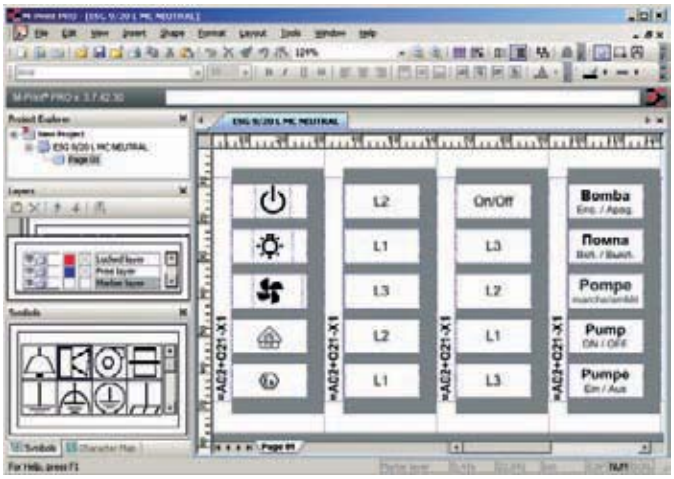


With one click selection for the product data sheet of your choice.

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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7789863xxx	PAC-XIOC-HE20-V1	A.18
7789864xxx	PAC-XIOC-RV24-V0	A.18
7789865xxx	PAC-XIOC-HE20-V2	A.18
7789866xxx	PAC-XIOC-HE20-V3	A.18

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7789867xxx	PAC-XIOC-SD25-V0	A.18
7789868xxx	PAC-XIOC-SD15-V0	A.18
7789869xxx	PAC-XIOC-SD25-V1	A.18
7789870xxx	PAC-XIOC-SD15-V1	A.18
7789871xxx	PAC-XIOC-RV24-V1	A.18
7789872xxx	PAC-XIOC-HE20-V4	A.18
7789879010	PAC-C300-3232-14-01	B.11
7789880010	PAC-C300-3232-25-01	B.11
7789881010	PAC-C300-3232-34-01	B.11
7789882010	PAC-C300-3232-50-01	B.11
7789883010	PAC-C300-3636-14-01	B.11
7789884010	PAC-C300-3636-25-01	B.11
7789885010	PAC-C300-3636-34-01	B.11
7789887010	C300-32B-320B-2S-M14-01	B.11
7789888010	C300-32B-320B-2S-M34-01	B.11
7789890010	C300-36B-324B-2S-M14-01	B.11
7789891010	C300-36B-324B-2S-M34-01	B.11
7789892010	C300-36B-324B-2S-M50-01	B.11

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8003881001	RS SD37S UNC 4.40 LP2N	C.8
8003891001	RS SD37B UNC 4.40 LP2N	C.8
8003901001	RS SD9S UNC 4.40 LP2N	C.8
8003911001	RS SD9B UNC 4.40 LP2N	C.8
8005161001	RS SD50S UNC 4.40 LP2N	C.8
8005161001	RS SD50S UNC 4.40 LP2N	B.14
8005171001	RS SD50B UNC 4.40 LP2N	C.8
8005181001	RS SD25S UNC 4.40 LP2N	C.8
8005181001	RS SD25S UNC 4.40 LP2N	B.14
8005191001	RS SD25B UNC 4.40 LP2N	C.8
8005201001	RS SD15S UNC 4.40 LP2N	C.8
8005211001	RS SD15B UNC 4.40 LP2N	C.8

8010000000

8012850000	RS F10 LP3R 3/12	C.7
8012860000	RS F14 LP3R 3/14	C.7
8012870000	RS F16 LP3R 3/18	C.7
8012910000	RS F20 LP3R 3/21	C.7
8012920000	RS F26 LP3R 3/27	C.7
8012930000	RS F34 LP3R 3/36	C.7
8012940000	RS F40 LP3R 3/42	C.7
8012950000	RS F50 LP3R 3/51	C.7
8012960000	RS F60 LP3R 3/63	C.7
8012970000	RS F64 LP3R 3/66	C.7
8019880000	RS SD9B LP3R	C.9
8019890000	RS SD15B LP3R	C.9
8019900000	RS SD25B LP3R	C.9
8019910000	RS SD37B LP3R	C.9
8019920000	RS SD50B LP3R	C.9
8019930000	RS SD9S LP3R	C.9
8019940000	RS SD15S LP3R	C.9
8019950000	RS SD25S LP3R	C.9
8019960000	RS SD37S LP3R	C.9
8019970000	RS SD50S LP3R	C.9

8020000000

8022901001	RSD 10 LP/LP	C.19
8022911001	RSD 20 LP/LP	C.19
8022921001	RSD 40 LP/LP	C.19

8150000000

8155550000	RS F64 LPK 2H/66	C.7
8155570000	RS F50 LPK 2H/52	C.7
8155580000	RS F40 LPK 2H/42	C.7
8155590000	RS F34 LPK 2H/36	C.7
8156600000	RS F20 LPK 2H/22	C.7
8156610000	RS F10 LPK 2H/12	C.7
8156620000	RS SD25B UNC LPK2	C.9
8156630000	RS SD37B UNC LPK2	C.9
8156640000	RS SD50B UNC LPK2	C.9
8156650000	RS SD25S UNC LPK2	C.9
8156660000	RS SD37S UNC LPK2	C.9
8156670000	RS SD50S UNC LPK2	C.9

8190000000

8199510000	RS LPK3/144 VERT	C.17

8200000000

8209730000	RS SD15B UNC LPK2	C.9

8210000000

8213470000	RS F26 LPK 2H/28	C.7
8216480000	RS SD9B UNC LPK2	C.9

8220000000

8224181001	RS F40 16RS OUT 24VDC	B.30

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8233350000	RS SD15S UNC LPK2	C.9
8234620000	RS VERT16 LPK2	C.16

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8258980000	RS F14 LPK 2H/16	C.7
8259000000	RS F60 LPK 2H/62	C.7
8259010000	RS SD9S UNC LPK2	C.9

8260000000

8265540000	RS F16 LPK 2H/18	C.7

8420000000

8428880000	RS F40 I/032 LMZF	B.24
8428880000	RS F40 I/032 LMZF	B.15
8428900000	RS F40 INIT32 LD LMZF	B.29
8428900000	RS F40 INIT32 LD LMZF	B.15

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8430980000	RS F40 INIT32 LMZF	B.28
8430980000	RS F40 INIT32 LMZF	B.15

8530000000

8533640000	MRS 24Vdc 1CO	B.49
8533640000	MRS 24Vdc 1CO	B.44
8533640000	MRS 24Vdc 1CO	B.43
8533640000	MRS 24Vdc 1CO	B.42
8533640000	MRS 24Vdc 1CO	B.41
8533640000	MRS 24Vdc 1CO	B.40
8533640000	MRS 24Vdc 1CO	B.39
8533640000	MRS 24Vdc 1CO	B.38
8533640000	MRS 24Vdc 1CO	B.37
8533640000	MRS 24Vdc 1CO	B.36
8533640000	MRS 24Vdc 1CO	B.16
8533660000	MRZ 24VDC 1CO	B.49
8533660000	MRZ 24VDC 1CO	B.44
8533660000	MRZ 24VDC 1CO	B.43
8533660000	MRZ 24VDC 1CO	B.42
8533660000	MRZ 24VDC 1CO	B.41
8533660000	MRZ 24VDC 1CO	B.40
8533660000	MRZ 24VDC 1CO	B.39
8533660000	MRZ 24VDC 1CO	B.38
8533660000	MRZ 24VDC 1CO	B.37
8533660000	MRZ 24VDC 1CO	B.36
8533660000	MRZ 24VDC 1CO	B.16
8537110000	RS F20 Z	C.6
8537110000	RS F20 Z	B.14
8537130000	RS F34 Z	C.6
8537140000	RS F40 Z	C.6
8537140000	RS F40 Z	B.14
8537150000	RS F50 Z	C.6
8537180000	RS F26 Z	C.6
8537190000	RS F10 Z	C.6
8537200000	RS F14 Z	C.6
8537240000	RS SD37 SZ	C.8
8537250000	RS SD37 BZ	C.8
8537260000	RS SD9 SZ	C.8
8537320000	RS SD9 BZ	C.8
8537350000	RS SD50 SZ	C.8
8537350000	RS SD50 SZ	B.14
8537360000	RS SD50 BZ	C.8
8537370000	RS SD25 SZ	C.8
8537370000	RS SD25 SZ	B.14
8537380000	RS SD25 BZ	C.8
8537390000	RS SD15 SZ	C.8
8537400000	RS SD15 BZ	C.8

8550000000

8555440000	RS RJ45 2WAY	C.10
8556020000	MRS 230Vac 1CO	B.49
8556030000	MRS 120Vuc 1CO	B.49
8556040000	MRS 48Vuc 1CO	B.49
8556050000	MRS 24Vuc 1CO	B.49
8556060000	MRS 60Vdc 1CO	B.49
8556070000	MRS 12Vdc 1CO	B.49
8556080000	MRS 5Vdc 1CO	B.49
8556090000	MRZ 230Vac 1CO	B.49
8556100000	MRZ 120Vuc 1CO	B.49
8556110000	MRZ 48Vuc 1CO	B.49
8556120000	MRZ 24Vuc 1CO	B.49
8556130000	MRZ 60Vdc 1CO	B.49
8556140000	MRZ 12Vdc 1CO	B.49
8556150000	MRZ 5Vdc 1CO	B.49

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8596050000	MRS 230Vac 1CO 5uAu	B.51
8596060000	MRS 24Vdc 1CO 5uAu	B.51
8596060000	MRS 24Vdc 1CO 5uAu	B.44
8596060000	MRS 24Vdc 1CO 5uAu	B.43
8596060000	MRS 24Vdc 1CO 5uAu	B.42
8596060000	MRS 24Vdc 1CO 5uAu	B.41
8596060000	MRS 24Vdc 1CO 5uAu	B.40
8596060000	MRS 24Vdc 1CO 5uAu	B.39
8596060000	MRS 24Vdc 1CO 5uAu	B.38
8596060000	MRS 24Vdc 1CO 5uAu	B.37

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8596060000	MRS 24Vdc 1CO 5uAu	B.16
8596070000	MRZ 230Vac 1CO 5uAu	B.51
8596080000	MRZ 24Vdc 1CO 5uAu	B.51
8596080000	MRZ 24Vdc 1CO 5uAu	B.44
8596080000	MRZ 24Vdc 1CO 5uAu	B.43
8596080000	MRZ 24Vdc 1CO 5uAu	B.42
8596080000	MRZ 24Vdc 1CO 5uAu	B.41
8596080000	MRZ 24Vdc 1CO 5uAu	B.40
8596080000	MRZ 24Vdc 1CO 5uAu	B.39
8596080000	MRZ 24Vdc 1CO 5uAu	B.38
8596080000	MRZ 24Vdc 1CO 5uAu	B.37
8596080000	MRZ 24Vdc 1CO 5uAu	B.36
8596080000	MRZ 24Vdc 1CO 5uAu	B.16

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8607340000	MOS 24Vdc / 24Vdc 0,1A	B.54
8607360000	MOZ 24Vdc / 24Vdc 0,1A	B.54
8607690000	MOS 120Vuc / 24Vdc 0,1A	B.54
8607710000	MOS 230Vac / 24Vdc 0,1A	B.54
8607730000	MOZ 120Vuc / 24Vdc 0,1A	B.54
8607750000	MOZ 230Vac / 24Vdc 0,1A	B.54

8610000000

8611320000	RS RJ45	C.10

8630000000

8633010000	MOZ 5Vdc / 24Vdc 0,1A	B.54
8633020000	MOS 5Vdc / 24Vdc 0,1A	B.54

8650000000

8652030000	MRS 120Vuc 1CO 5uAu	B.51
8652040000	MRZ 120Vuc 1CO 5uAu	B.51

8660000000

8660910000	MRZ 24VDC ACT	B.50
8660920000	MRS 24Vdc ACT	B.50

8770000000

8773460000	MI8DI-S SUB D15S	B.46
8773490000	MI8DI-Z SUB D15S	B.46
8773510000	MI8DI-S F10 S	B.46
8773510000	MI8DI-S F10 S	B.44
8773510000	MI8DI-S F10 S	B.43
8773510000	MI8DI-S F10 S	B.42
8773510000	MI8DI-S F10 S	B.41
8773510000	MI8DI-S F10 S	B.40
8773510000	MI8DI-S F10 S	B.39
8773510000	MI8DI-S F10 S	B.38
8773510000	MI8DI-S F10 S	B.37
8773510000	MI8DI-S F10 S	B.36
8773510000	MI8DI-S F10 S	B.16
8773530000	MI8DI-Z F10 S	B.46
8773530000	MI8DI-Z F10 S	B.44
8773530000	MI8DI-Z F10 S	B.43
8773530000	MI8DI-Z F10 S	B.42
8773530000	MI8DI-Z F10 S	B.41
8773530000	MI8DI-Z F10 S	B.40
8773530000	MI8DI-Z F10 S	B.39
8773530000	MI8DI-Z F10 S	B.38
8773530000	MI8DI-Z F10 S	B.37
8773530000	MI8DI-Z F10 S	B.36
8773530000	MI8DI-Z F10 S	B.16
8773550000	MI8DO-S SUB D15S	B.47
8773570000	MI8DO-Z SUB D15S	B.47
8773600000	MI8DO-S F10 S	B.47
8773600000	MI8DO-S F10 S	B.44
8773600000	MI8DO-S F10 S	B.43
8773600000	MI8DO-S F10 S	B.42
8773600000	MI8DO-S F10 S	B.41
8773600000	MI8DO-S F10 S	B.40
8773600000	MI8DO-S F10 S	B.39
8773600000	MI8DO-S F10 S	B.38
8773600000	MI8DO-S F10 S	B.37
8773600000	MI8DO-S F10 S	B.36
8773600000	MI8DO-S F10 S	B.16
8773620000	MI8DO-Z F10 S	B.47
8773620000	MI8DO-Z F10 S	B.44
8773620000	MI8DO-Z F10 S	B.43
8773620000	MI8DO-Z F10 S	B.42
8773620000	MI8DO-Z F10 S	B.41
8773620000	MI8DO-Z F10 S	B.40
8773620000	MI8DO-Z F10 S	B.39
8773620000	MI8DO-Z F10 S	B.38
8773620000	MI8DO-Z F10 S	B.37
8773620000	MI8DO-Z F10 S	B.36
8773620000	MI8DO-Z F10 S	B.16

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8825960000	MRZ 120VUC 1CO RC	B.50
8825970000	MRS 120VUC 1CO RC	B.50
8825980000	MRZ 230VUC 1CO	B.50

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8825990000	MRS 230VUC 1CO	B.50

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8967340000	MRS 12Vdc 1CO C1D2	B.52
8967350000	MRS 24Vdc 1CO C1D2	B.52
8967360000	MRS 24Vuc 1CO C1D2	B.52

9440000000

9441500000	RS 16I0 1W R S	A.49
9441500000	RS 16I0 1W R S	A.38
9441510000	RS 32I0 1W R S	A.57
9441510000	RS 32I0 1W R S	A.38
9441540000	RS 8I0 2W R S	A.41
9441540000	RS 8I0 2W R S	A.38
9441560000	RS 16I0 2W F R S	A.50
9441560000	RS 16I0 2W F R S	A.38
9441570000	RS 32I0 2W F R S	A.58
9441570000	RS 32I0 2W F R S	A.38
9441600000	RS 16I0 3W I R S	A.51
9441600000	RS 16I0 3W I R S	A.38
9441610000	RS 32I0 3W I R S	A.59
9441610000	RS 32I0 3W I R S	A.38
9441700000	RS 16I0 2W R S	A.50
9441700000	RS 16I0 2W R S	A.38
9441710000	RS 32I0 2W R S	A.58
9441710000	RS 32I0 2W R S	A.38
9441860000	RS 16I0 1W I R S	A.49
9441860000	RS 16I0 1W I R S	A.38
9441870000	RS 32I0 1W I R S	A.57
9441870000	RS 32I0 1W I R S	A.38
9444610000	RSM-16 24V(-/+) 1CO S	B.15
9444610000	RSM-16 24V(-/+) 1CO S	A.78
9444610000	RSM-16 24V(-/+) 1CO S	A.70
9444660000	RSM-16 24V(-/+) 1CO Z	B.15
9444660000	RSM-16 24V(-/+) 1CO Z	A.78
9444660000	RSM-16 24V(-/+) 1CO Z	A.70
9445000000	RSM-8 C 1CO S	A.72
9445000000	RSM-8 C 1CO S	A.70
9445060000	RSM-12 C 1CO S	A.74
9445060000	RSM-12 C 1CO S	A.70
9445100000	RSM-16 C 1CO S	B.15
9445100000	RSM-16 C 1CO S	A.77
9445100000	RSM-16 C 1CO S	A.70
9445120000	RSM-16 FUS 1CO S	B.15
9445120000	RSM-16 FUS 1CO S	A.80
9445120000	RSM-16 FUS 1CO S	A.70
9445140000	RSM-16 FOR 1CO S	B.15
9445140000	RSM-16 FOR 1CO S	A.81
9445140000	RSM-16 FOR 1CO S	A.70
9445160000	RSM-16 2CO S	B.15
9445160000	RSM-16 2CO S	A.79
9445160000	RSM-16 2CO S	A.70
9445530000	RS 8I0 2W L H S	A.40
9445530000	RS 8I0 2W L H S	A.38
9445630000	RS 12I0 2W L H S	A.42
9445630000	RS 12I0 2W L H S	A.38
9445700000	RS 16I0 1W H S	B.15
9445700000	RS 16I0 1W H S	A.43
9445700000	RS 16I0 1W H S	A.38
9445710000	RS 16I0 1W L H S	B.15
9445710000	RS 16I0 1W L H S	A.43
9445710000	RS 16I0 1W L H S	A.38
9445720000	RS 16I0 2W H S	B.15
9445720000	RS 16I0 2W H S	A.45
9445720000	RS 16I0 2W H S	A.38
9445730000	RS 16I0 2W L H S	B.15
9445730000	RS 16I0 2W L H S	A.45
9445730000	RS 16I0 2W L H S	A.38
9445750000	RS 16I0 2W I-L H S	B.15
9445750000	RS 16I0 2W I-L H S	A.46
9445750000	RS 16I0 2W I-L H S	A.38
9445760000	RS 16I0 3W H S	B.15
9445760000	RS 16I0 3W H S	A.48
9445760000	RS 16I0 3W H S	A.38
9445770000	RS 16I0 3W L H S	B.15
9445770000	RS 16I0 3W L H S	A.48
9445770000	RS 16I0 3W L H S	A.38
9445810000	RS 16I0 1W I-L H S	B.15
9445810000	RS 16I0 1W I-L H S	A.44
9445810000	RS 16I0 1W I-L H S	A.38
9445820000	RS 16I0 2W F H S	B.15
9445820000	RS 16I0 2W F H S	A.47
9445820000	RS 16I0 2W F H S	A.38
9445870000	RS 32I0 1W I-L H S	A.53
9445870000	RS 32I0 1W I-L H S	A.38
9445900000	RS 32I0 1W H S	A.52
9445900000	RS 32I0 1W H S	A.38
9445910000	RS 32I0 1W L H S	A.52
9445910000	RS 32I0 1W L H S	A.38
9445930000	RS 32I0 2W L H S	A.54
9445930000	RS 32I0 2W L H S	A.38
9445950000	RS 32I0 2W I-L H S	A.54
9445950000	RS 32I0 2W I-L H S	A.38
9445960000	RS 32I0 3W H S	A.56
9445960000	RS 32I0 3W H S	A.38
9445970000	RS 32I0 3W L H S	A.56
9445970000	RS 32I0 3W L H S	A.38

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9445980000	RS 32I0 2W F H S	A.38
9447000000	RSM-8 C 1CO Z	A.72
9447000000	RSM-8 C 1CO Z	A.70
9447100000	RSM-16 C 1CO Z	B.15
9447100000	RSM-16 C 1CO Z	A.77
9447100000	RSM-16 C 1CO Z	A.70
9447120000	RSM-16 FUS 1CO Z	B.15
9447120000	RSM-16 FUS 1CO Z	A.80
9447120000	RSM-16 FUS 1CO Z	A.70
9447160000	RSM-16 2CO Z	B.15
9447160000	RSM-16 2CO Z	A.79
9447160000	RSM-16 2CO Z	A.70
9448000000	RS 4AI0 DP SD S	A.61
9448000000	RS 4AI0 DP SD S	A.60
9448010000	RS 8AI0 DP SD S	A.63
9448010000	RS 8AI0 DP SD S	A.60
9448020000	RS 16AI0 DP SD S	A.65
9448020000	RS 16AI0 DP SD S	A.60
9448030000	RS 8AI PREM/APR SD S	A.64
9448030000	RS 8AI PREM/APR SD S	A.60
9448040000	RS 8AI1AO MICRO SD S	A.64
9448040000	RS 8AI1AO MICRO SD S	A.60
9448100000	RS 4AI0 I-M-DP SD S	A.61
9448100000	RS 4AI0 I-M-DP SD S	A.60
9448110000	RS 8AI0 I-M-DP SD S	A.63
9448110000	RS 8AI0 I-M-DP SD S	A.60
9448120000	RS 16AI0 I-M-DP SD S	A.65
9448120000	RS 16AI0 I-M-DP SD S	A.60
9449110000	RS 8AI0 I-M-DP SD Z	A.63
9449110000	RS 8AI0 I-M-DP SD Z	A.60

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