

PLC-interface units, front adapters and prefabricated cables

Catalogue 2014/2015

Let's connect.

PLC-system cabling



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In addition to the catalogue, the PDF also contains:

- Internal page links
- Links to the online catalogue

Try it out for yourself. Click the order number to obtain more detailed information and close-up images via you web browser. The links in the PDF file also enable you to go directly to the next desired catalogue page.

Further Weidmüller product catalogues can be accessed by clicking the following:



PLC-Interface Units, Front Adapter and Prefabricated Cables

Catalogue 4.5

PLC-Interface Units, Front Adapter and Prefabricated Cables

Universal solutions for PLC input/output cards

Specific solutions for PLC/DCS I/O cards

Interface and pre-assembled cables for general applications

Card holders

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Appendix

Weidmüller Solutions & Service

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Index Type / Index Order No.
Addresses worldwide

V

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PLC-Interface Units, Front Adapter and Prefabricated Cables

RS IO

Page A.38



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

RS A

Page A.60



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

RSM

Page A.66



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

RSM

Page A.70



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

PAC-UNIV

Page A.82



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

FTA-C300

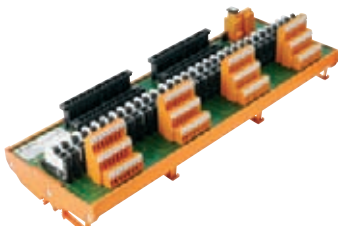
Page B.4



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

FTA-C300-RSLIM

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

PAC-C300

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- Pre-assembled cables for Honeywell C300

FAD

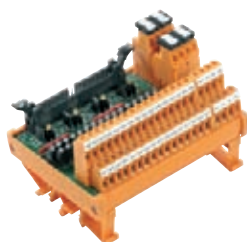
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- Front adapters for Siemens S7-300 and Control logix

RSF- PLC

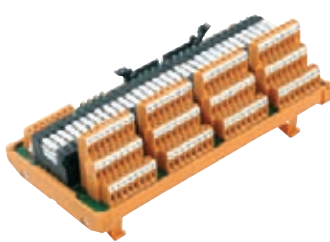
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- Passive digital input/output interfaces for PLCs and FAD front adapters
- 1-2-3 wires
- With LED, fuses
- Screw or tension clamp connection

RSM- PLC

Page B.30



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

MICRO-INTERFACE

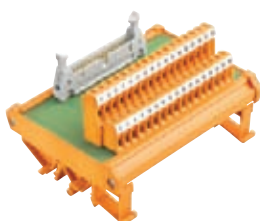
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- Adapter for connecting to MICROSERIES relays and converters
- Ribbon or SUB-D connector cable

RS F

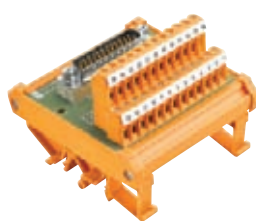
Page C.6



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

RS SD

Page C.8



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

RS RJ45

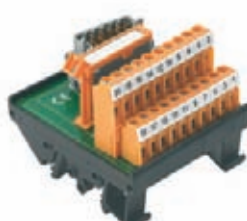
Page C.10



- Interfaces with RJ45 connector
- Connection 1:1

RS ELCO

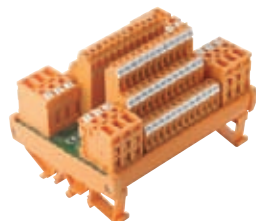
Page C.12



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

RS VERT

Page C.16



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

RSD

Page C.19



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

PLC-Interface Units, Front Adapter and Prefabricated Cables

PAC-UNIV-HE

Page C.20



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

PAC-UNIV-D

Page C.21



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

PAC-ELCO

Page C.23



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

SKH

Page D.4



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

Universal solutions for PLC input/output cards

Universal solutions for PLC input/output cards	Introduction	A.2
	ABB S800	- Selection guide A.12
	Emerson DeltaV	- Selection guide A.13
	GeFanuc 90-30	- Selection guide A.14
	GeFanuc RX3i	- Selection guide A.15
	Honeywell C200	- Selection guide A.16
	Mitsubishi MELSEC Q	- Selection guide A.17
	Moeller XIOC	- Selection guide A.18
	Omron C200H	- Selection guide A.19
	Omron CJ1W	- Selection guide A.20
	Omron CQM1	- Selection guide A.21
	Rockwell Compact Logix	- Selection guide A.22
	Rockwell Control Logix	- Selection guide A.23
	Rockwell Micro Logix 1400	- Selection guide A.24
	Rockwell SLC 500	- Selection guide A.25
	Schneider M258	- Selection guide A.26
	Schneider M340	- Selection guide A.27
	Schneider MICRO	- Selection guide A.28
	Schneider PREMIUM	- Selection guide A.29
	Schneider QUANTUM	- Selection guide A.30
	Schneider TWIDO	- Selection guide A.31
	Siemens S7-200	- Selection guide A.32
	Siemens S7-300 / ET- 200M	- Selection guide A.33
	Siemens S7-400	- Selection guide A.36
	Siemens S7-1200	- Selection guide A.37
	RS IO - Selection guide for passive interfaces for digital signals	A.38
	RS IO - Passive interface for digital signals	A.40
	RS A - Selection guide for passive interfaces for analogue signals	A.60
	RS A - Passive interface for analogue signals	A.61
	RSM - Selection guide for insulated interfaces for digital input signals	A.66
	RSM - Isolated interfaces for digital input signals	A.67
	RSM - Selection guide for insulated interfaces for digital output signals	A.70
	RSM - Isolated interfaces for digital output signals	A.71
	PAC-UNIV universal pre-assembled cables with wire-end ferrules	A.82

Universal solutions for PLC input/output cards

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

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

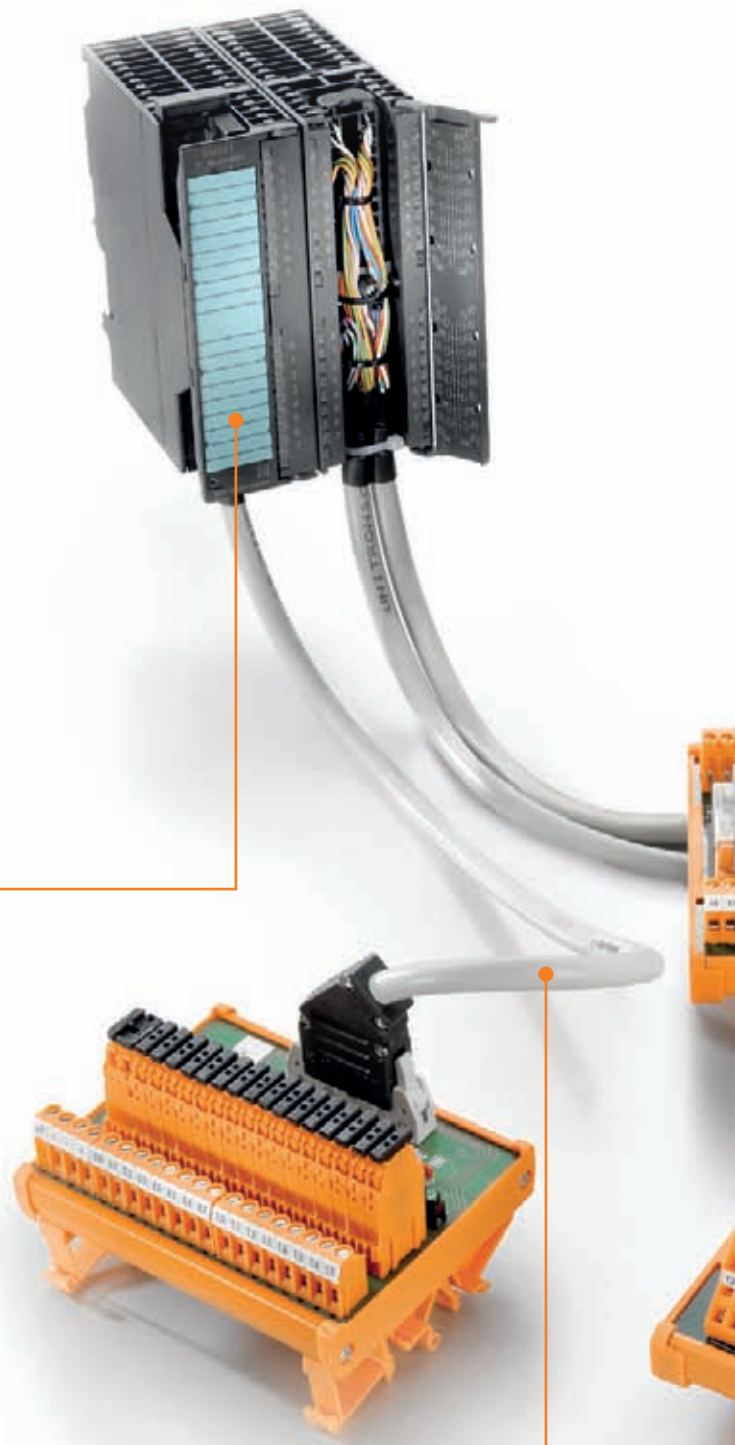
Universal system

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



Guaranteed connection

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



Simple system configuration

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

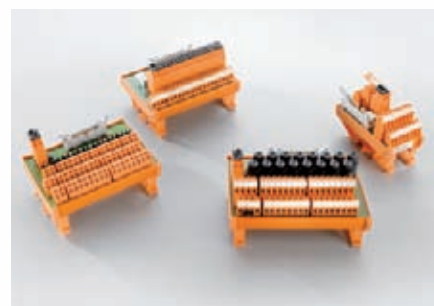
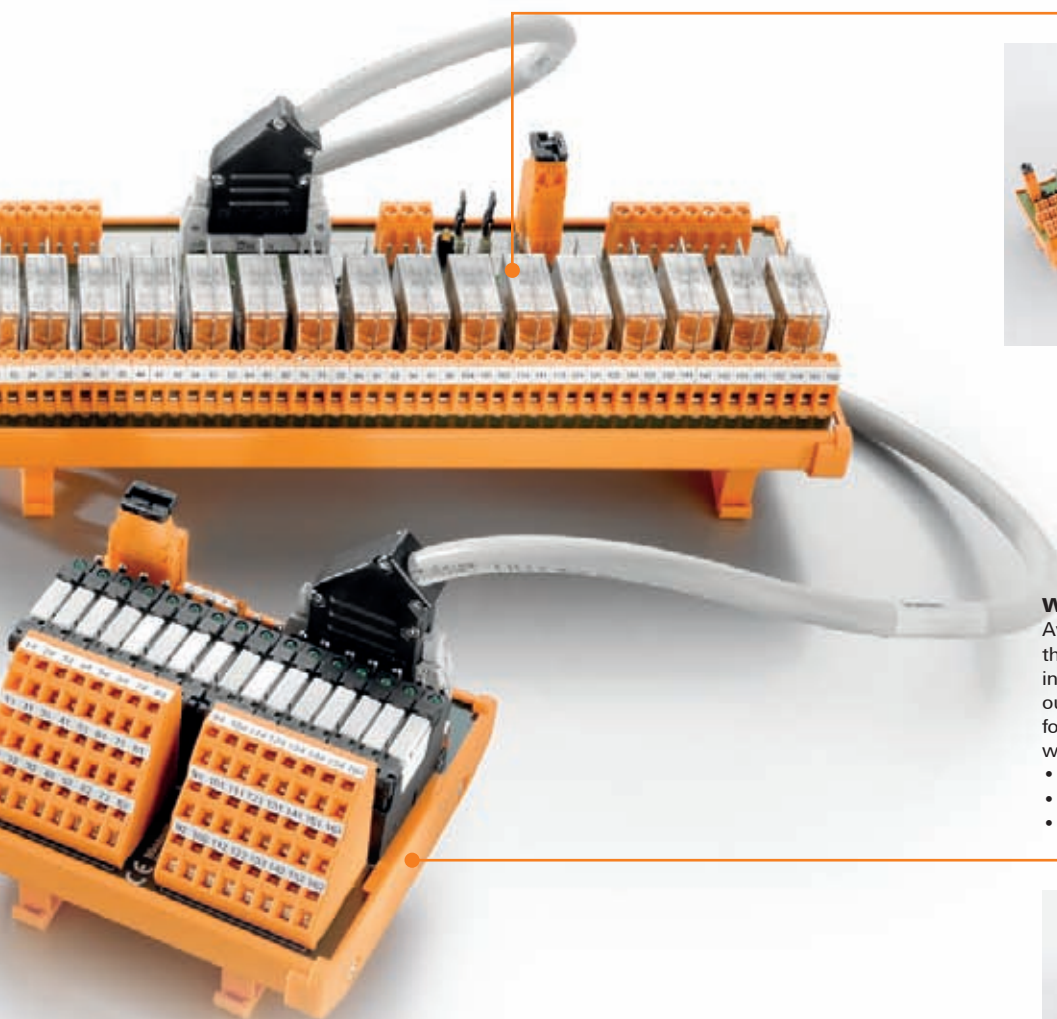
PLC SIEMENS – S7-300/ET- 200M

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Wide range of passive interfaces

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

- LED indication
- Fuse
- Circuit Breaker
- Test leads



Wide range of relay insulated interfaces

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

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



Universal solutions for PLC input/output cards

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

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

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

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

PLC interface

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

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

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

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

Digital input/output interfaces (H System)

The digital input/output interfaces have been designed using a ribbon cable connector suitable for the majority of signals coming from the PLC. In addition, the pre-assembled cables are designed using a cross-section of 0.25 mm² and have a cover that guarantees complete and safe fastening with the interface connector.



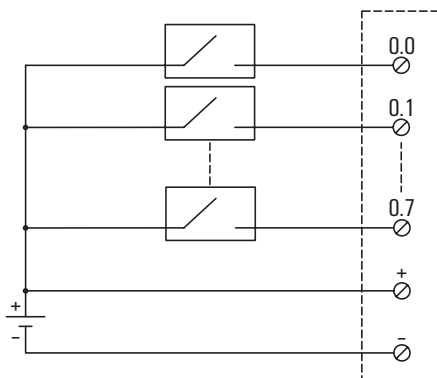
The range has been designed for 4, 8, 12, 16 and 32 signals in tension clamp or screw connection and you can choose additional functions including:

- 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.

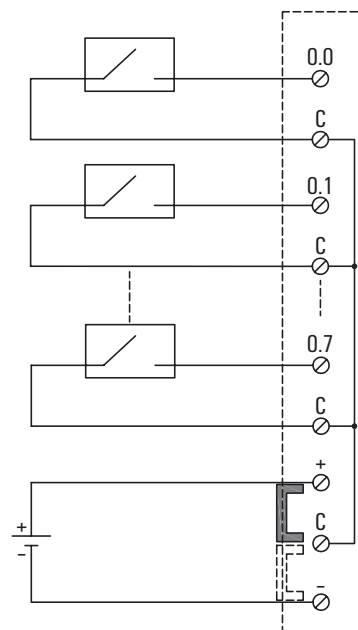
1-wire system:

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).



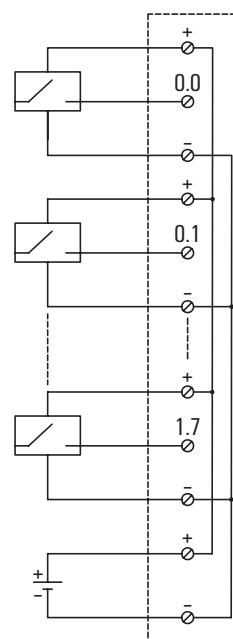
2-wire system:

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.



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

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



Insulated digital input/output interfaces

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

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

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

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

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

Analogue input/output interfaces (S System)

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



Pre-assembled cables

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



Table of colour codes according to DIN 47.100

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

Each pre-assembled cable has the following features:

- PLC connector: The original connector of the manufacturer is used.
- Interface Connector: 3 types of connectors are used according to the interface they connect to.
 - Ribbon cable connectors - which are supplied with a hood to protect them from cable extraction forces and ensure secure and reliable connection.
 - Very sturdy RSV connectors that allow working with high voltages of up to 230 V.
 - SUB-D connectors, where the wire screening for analogue signals is connected directly to the metallic body of the connector to minimise the effect of electromagnetic interferences.
- Cable: A multipole 0.25 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.

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

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
1	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		
2	6ES7321-1CH20-0AA0	64 DI, negative logic ^{A)}	7789768xxx	2	H2016	4				
	6ES7321-1CH20-0AA0	16 DI	7789211xxx	1	R2416	1				
	6ES7321-1CH20-0AA0	16 DI	7789211xxx	1	R2416	1				

Universal solutions for PLC input/output cards

A

Selection guide

RS IO – Selection guide for passive interfaces for digital signals

Number of channels	Type	Type of wiring	Features			Order No.	Interface	Page
			Connection	Terminal clamp connection	LED by channel			
2 channel	H	2-wire	+	+	+	944530000	RS 100 2W L H S	A.60
						944530000	RS 100 2W H S	A.61
						944530000	RS 120 2W L H S	A.62
						944530000	RS 100 1W L H S	A.63
						944530000	RS 100 1W H S	A.64
						944530000	RS 100 1W L H S	A.65
						944530000	RS 100 1W H S	A.66
						944530000	RS 100 2W L H S	A.67
						944530000	RS 100 2W H S	A.68
						944530000	RS 100 2W L H S	A.69
16 channel	H	2-wire	+	+	+	944530000	RS 100 2W L H S	A.60
						944530000	RS 100 2W H S	A.61
						944530000	RS 120 2W L H S	A.62
						944530000	RS 100 1W L H S	A.63
						944530000	RS 100 1W H S	A.64
						944530000	RS 100 1W L H S	A.65
						944530000	RS 100 1W H S	A.66
						944530000	RS 100 2W L H S	A.67
						944530000	RS 100 2W H S	A.68
						944530000	RS 100 2W L H S	A.69
32 channel	H	2-wire	+	+	+	944530000	RS 100 2W L H S	A.60
						944530000	RS 100 2W H S	A.61
						944530000	RS 120 2W L H S	A.62
						944530000	RS 100 1W L H S	A.63
						944530000	RS 100 1W H S	A.64
						944530000	RS 100 1W L H S	A.65
						944530000	RS 100 1W H S	A.66
						944530000	RS 100 2W L H S	A.67
						944530000	RS 100 2W H S	A.68
						944530000	RS 100 2W L H S	A.69

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

1 Select the PLC card from the corresponding table

Example:

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

2 Check the code of the cable to be ordered:

Example:

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

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

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

Example:

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

Take the notes into account (if there are any)

The portfolio includes:

Passive digital input/output interfaces (H System)

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

H2008: Passive input/output 8-channel digital interface

H2012: Passive input/output 12-channel digital interface

H2016: Passive input/output 16-channel digital interface

H2032: Passive input/output 32-channel digital interface

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

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

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

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

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

Passive analogue output/input interfaces (S System)

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

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

A1504: Passive input/output 4-channel analogue interface

A2508: Passive input/output 8-channel analogue interface

A3716: Passive input/output 16-channel analogue interface

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

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

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

Relay insulated digital output/input interfaces

O2008: 8-channel insulated digital output interface

O2012: 12-channel insulated digital output interface

O2016: 16-channel insulated digital output interface

I2016: 16-channel insulated digital input interface

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

Example:

- H2016 System -> See page A.38

or

- I2016 System -> See page A.66

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

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

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

PLC ABB S800

A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.38 (H) or A.60 (A) -		- see page A.66 -		- see page A.70 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	DI810	16 DI	7789641xxx	1	H2016	1	I2016	1		
	DI811	16 DI	7789642xxx	1	R2416	1				
	DI814 ^{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				
DO	VE4001S3T2B1	8 DI	7789104xxx	1	R2416	1				
	VE4001S3T2B2	8 DI	7789104xxx	1	R2416	1				
	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				
AI	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				
	VE4003S2B1	8 AI	7789252xxx	1	A2508	1				
	VE4003S2B2	8 AI	7789252xxx	1	A2508	1				
	VE4003S2B3	8 AI	7789252xxx	1	A2508	1				
	VE4003S2B4	8 AI	7789704xxx	1	A2508	1				
	VE4003S2B6	16 AI	7789254xxx	1	A3716	1				
	VE4003S3B3	8 AI	7789252xxx	1	A2508	1				
AO	VE4003S3B4	8 AI	7789704xxx	1	A2508	1				
	VE4003S6B1	8 AI	7789254xxx	1	A3716	1				
	VE4005S2B1	8 AO	7789252xxx	1	A2508	1				
	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

A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.38 (H) or A.60 (A) -		- see page A.66 -		- see page A.70 -	
	Manufacturer code	Numero/Type canales	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	IC693MDL230	8 DI	7789064xxx	1	R2416	1				
	IC693MDL231	8 DI	7789064xxx	1	R2416	1				
	IC693MDL240	16 DI	7789061xxx	1	R2416	1				
	IC693MDL241	16 DI, positive logic	7789067xxx	1	H2016	1	I2016	1		
	IC693MDL630	8 DI	7789067xxx	1	H2008	1				
	IC693MDL632	8 DI, positive logic	7789634xxx	1	R1208	1				
	IC693MDL634	8 DI, positive logic	7789067xxx	1	H2008	1				
	IC693MDL640	16 DI	7789067xxx	1	H2016	1				
	IC693MDL643	16 DI	7789067xxx	1	H2016	1				
	IC693MDL645	16 DI, positive logic	7789067xxx	1	H2016	1	I2016	1		
	IC693MDL646	16 DI, positive logic	7789067xxx	1	H2016	1	I2016	1		
	IC693MDL654	32 DI, positive logic	7789066xxx	2	H2016	2	I2016	2		
	IC693MDL655	32 DI, positive logic	7789066xxx	2	H2016	2	I2016	2		
DO	IC693MDL310	12 DO	7789063xxx	1	R2416	1				
	IC693MDL340	16 DO	7789063xxx	1	R2416	1				
	IC693MDL730	8 DO	7789069xxx	1	H2008	1			02008	1
	IC693MDL731 A)	8 DO	7789069xxx	1	H2016	1			02016	1
	IC693MDL732	8 DO	7789068xxx	1	H2008	1			02008	1
	IC693MDL733 A)	8 DO	7789068xxx	1	H2016	1			02016	1
	IC693MDL740	16 DO	7789068xxx	1	H2016	1			02016	1
	IC693MDL741 A)	16 DO	7789068xxx	1	H2016	1			02016	1
	IC693MDL742	16 DO	7789068xxx	1	H2016	1			02016	1
	IC693MDL752 A)	32 DO	7789066xxx	2	H2016	2			02016	2
	IC693MDL753	32 DO	7789066xxx	2	H2016	2			02016	2
	IC693MDL930	8 DO	7789064xxx	1	R2416	1				
	AI	IC693ALG220	4 AI, voltage differential applications	7789076xxx	1	A1504	1			
IC693ALG221		4 AI, current applications	7789075xxx	1	A1504	1				
IC693ALG222		16 AI or 8 AI	7789072xxx	1	A2508	1				
IC693ALG223		16 AI	7789072xxx	1	A2508	1				
AO	IC693ALG390	4 AO	7789073xxx		A2508	1				
	IC693ALG391	4 AO	7789073xxx	1	A2508	1				
	IC693ALG392	8 AO, current applications	7789620xxx	1	A1504	1				
	IC693ALG392	8 AO, voltage applications	7789624xxx	1	A1504	1				
AI/AO	IC693ALG442	4 AI 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	7789667xxx	1	A2508	1				
		16 AI, differential applications								
AO	IC695ALG616	8 AI, differential applications	7789626xxx	1	A3716	1				
	IC695ALG616	16 AI, common mode applications	7789798xxx	1	A3716	1				
	IC694ALG390	2 AO	7789073xxx	1	A2508	1				
	IC694ALG391	2 AO	7789073xxx	1	A2508	1				
	IC694ALG392	8 AO, current applications	7789620xxx	1	A1504	1				
	IC694ALG392	8 AO, voltage applications	7789624xxx	1	A1504	1				
	IC695ALG704	4 AO	7789668xxx	1	A1504	1				
	IC695ALG708	8 AO	7789625xxx	1	A2508	1				
AI/AO	IC695ALG808	8 AO	7789621xxx	1	A2508	1				
	IC694ALG442	4 AI 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-OAV061	6 AO	7789157xxx	1	A2508	1				
	TC-OAV081 / TK-OAV081	8 AO, current applications	7789037xxx	1	A2508	1				
	TC-OAV081 / TK-OAV081	8 AO, voltage applications	7789038xxx	1	A2508	1				
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	
DO	QX82	64 DI	7789683xxx	2	H2016	4	I2016		4	
	QX82-S1	64 DI	7789683xxx	2	H2016	4	I2016		4	
	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				
DO	XIOC-8DI	8 DI, positive logic	7789862xxx	1	H2008	1				
		8 DI, negative logic ^{A)}	7789863xxx	1	H2016	1				
	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
DI/DO	XIOC-8DO	8 DO	7789865xxx	1	H2008	1			O2008	1
	XIOC-16DX	16 DI	7789872xxx	1	H2016	1				
	16 DO									
AI	XIOC-8AI-I2	8 AI	7789867xxx	1	A2508	1				
	XIOC-8AI-U1	8 AI	7789867xxx	1	A2508	1				
	XIOC-8AI-U2	8 AI	7789867xxx	1	A2508	1				
AO	XIOC-2AO-U1-2AO-I2	4 AO	7789868xxx	1	A1504	1				
	XIOC-2AO-U2	2 AO	7789868xxx	1	A1504	1				
	XIOC-4AO-U1	4 AO	7789868xxx	1	A1504	1				
	XIOC-4AO-U2	4 AO	7789868xxx	1	A1504	1				
AI/AO	XIOC-2AI-1AO-U1	2 AI	7789870xxx	1	A1504	1				
		2 AO								
	XIOC-2AI-1AO-U1-I1	2 AI	7789870xxx	1	A1504	1				
		2 AO								
	XIOC-4AI-2AO-U1	4 AI	7789869xxx	1	A2508	1				
		2 AO								
	XIOC-4AI-2AO-U1-I1	4 AI	7789869xxx	1	A2508	1				
		2 AO								
Note	A) Attention! Only use interfaces without LEDs 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	1				
	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				
DO	IM211	8 DI, 24 V DC applications	7789100xxx	1	H2008	1				
	IM212 ^{A)}	16 DI, 24 V DC applications	7789100xxx	1	H2016	1				
	OA221	8 DO	7789108xxx	1	R1208	1				
	OA222V	12 DO	7789104xxx	1	R2416	1				
	OC221	8 DO	7789108xxx	1	R1208	1				
	OC222V	12 DO	7789104xxx	1	R2416	1				
	OC223	5 DO	7789108xxx	1	R1208	1				
	OC224V	8 DO	7789104xxx	1	R2416	1				
	OC225	16 DO	7789104xxx	1	R2416	1				
	OD211 ^{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		
	ID231	16 DI, negative logic ^{A)}	7789833xxx	1	H2016	1				
		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				
DO	ID262	64 DI, positive logic	7789772xxx	2	H2016	4	I2016	4		
		64 DI, negative logic ^{A)}	7789767xxx	2	H2016	4				
	OA201	8 DO	7789648xxx	1	R1208	1				
	OC201	8 DO	7789649xxx	1	R2416	1				
	OC211	16 DO	7789664xxx	1	R2416	1				
	OD201 ^{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						
DO	1769-0A16	16 DO	7789024xxx	1	R2416	1				
		8 DO	7789017xxx	1	R1208	1				
	1769-0B16	16 DO	7789769xxx	1	H2016	1			02016	1
	1769-0B16P	16 DO	7789769xxx	1	H2016	1			02016	1
	1769-0B32	32 DO	7789769xxx	1	H2016	2			02016	2
			7789697xxx	1						
	1769-0B32T	32 DO	7789006xxx	1	H2016	2			02016	2
	1769-0B8	8 DO	7789015xxx	1	H2008	1			02008	1
	1769-0V16	16 DO	7789769xxx	1	H2016	1			02016	1
	1769-0W16	16 DO	7789024xxx	1	R2416	1				
	1769-0W8	8 DO	7789017xxx	1	R1208	1				
	1769-0W8I	8 DO	7789016xxx	1	R2416	1				
AI	1769-IF4	4 AI, current applications	7789026xxx	1	A1504	1				
	1769-IF4	4 AI, voltage applications	7789046xxx	1	A1504	1				
	1769-IF4I	4 AI, current applications	7789027xxx	1	A1504	1				
	1769-IF4I	4 AI, voltage applications	7789047xxx	1	A1504	1				
	1769-IF8	8 AI, current applications	7789028xxx	1	A2508	1				
AO	1769-IF8	8 AI, voltage applications	7789045xxx	1	A2508	1				
	1769-OF2	2 AO	7789029xxx	1	A1504	1				
	1769-OF4CI	4 AO	7789043xxx	1	A1504	1				
	1769-OF8C	8 AO	7789044xxx	1	A2508	1				
	1769-OF8V	8 AO	7789044xxx	1	A2508	1				
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				
DO	1756-IN16	16 DI	7789031xxx	1	R3632	1				
	1756-0A16	16 DO	7789056xxx	1	R3632	1				
	1756-0A16I	16 DO	7789030xxx	1	R3632	1				
	1756-0A8	8 DO	7789057xxx	1	R1208	1				
	1756-0A8D	8 DO	7789048xxx	1	R1208	1				
	1756-0A8E	8 DO	7789048xxx	1	R1208	1				
	1756-0B16D	16 DO	7789040xxx	1	H2016	1			O2016	1
	1756-0B16E	16 DO	7789058xxx	1	H2016	1			O2016	1
	1756-0B16I	16 DO	7789059xxx	1	H2016	1			O2016	1
	1756-0B32	32 DO	7789042xxx	1	H2016	2			O2016	2
	1756-0B8	8 DO	7789151xxx	1	H2008	1			O2008	1
	1756-0B8EI	8 DO	7789152xxx	1	H2008	1			O2008	1
	1756-0C8	8 DO	7789153xxx	1	R2416	1				
	1756-0H8I	8 DO	7789154xxx	1	R2416	1				
	1756-0N8	8 DO	7789057xxx	1	R1208	1				
	1756-0V16E	16 DO	7789058xxx	1	H2016	1			O2016	1
	1756-0W16I	16 DO	7789030xxx	1	R3632	1				
	1756-0X8I	8 DO	7789155xxx	1	R2416	1				
AI	1756-IF16	16 AI	7789032xxx	1	A3716	1				
	1756-IF6I	6 AI, current applications	7789156xxx	1	A2508	1				
	1756-IF6I	6 AI, voltage applications	7789157xxx	1	A2508	1				
	1756-IF8	8 AI, current applications	7789035xxx	1	A2508	1				
	1756-IF8	8 AI, voltage applications	7789036xxx	1	A2508	1				
AO	1756-IR6I	6 AI	7789158xxx	1	A2508	1				
	1756-OF4	4 AO, current applications	7789033xxx	1	A1504	1				
	1756-OF4	4 AO, voltage applications	7789034xxx	1	A1504	1				
	1756-OF6CI	6 AO, resistances 0 to 550 Ω	7789159xxx	1	A2508	1				
	1756-OF6VI	6 AO	7789157xxx	1	A2508	1				
	1756-OF8	8 AO, current applications	7789037xxx	1	A2508	1				
	1756-OF8	8 AO, voltage applications	7789038xxx	1	A2508	1				
Note										

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- * In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at www.weidmuller.com 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-OW6I	6 DO	7789106xxx	1	R3632	1				
	DI/DO	1762-IQ80W6	8 DI, positive logic	7789100xxx	1	H2008	1			
6 DO			7789108xxx	1	R1208	1				
1762-IQ80W6 ^{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-IF20F2	2 AI	7789250xxx	1	A1504	1				
		2 AO								
Note A) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option 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	1746-0A16	16 DO	7789728xxx	1	R2416	1				
	1746-0B16	16 DO	7789003xxx	1	H2016	1			02016	1
	1746-0B16E	16 DO	7789003xxx	1	H2016	1			02016	1
	1746-0B32	32 DO	7789006xxx	1	H2016	2			02016	2
	1746-0B32E	32 DO	7789006xxx	1	H2016	2			02016	2
	1746-0B8	8 DO	7789100xxx	1	H2008	1			02008	1
	1746-0BP16	16 DO	7789003xxx	1	H2016	1			02016	1
	1746-0BP8	8 DO	7789100xxx	1	H2008	1			02008	1
	1746-0G16 A)	16 DO	7789003xxx	1	H2016	1			02016	1
	1746-0V16 A)	16 DO	7789003xxx	1	H2016	1			02016	1
	1746-0V32 A)	32 DO	7789006xxx	1	H2016	2			02016	2
	1746-0V8 A)	8 DO	7789100xxx	1	H2016	1			02016	1
	1746-0VP16 A)	16 DO	7789003xxx	1	H2016	1			02016	1
	1746-0W16	16 DO, 24 V DC applications	7789002xxx	1	H2016	1				
	1746-0W4	4 DO	7789108xxx	1	R1208	1				
	1746-0W8	8 DO	7789108xxx	1	R1208	1				
	1746-0X8	8 DO	7789104xxx	1	R2416	1				
	AI	1746-NI4	4 AI	7789008xxx	1	A1504	1			
1746-NI8		8 AI	7789011xxx	1	A2508	1				
AO	1746-NO4I	4 AO	7789010xxx		A2508	1				
	1746-NO4V	4 AO	7789010xxx	1	A2508	1				
AI/AO	1746-NI04I	2 AI	7789009xxx	1	A1504	1				
		2 AO								
	1746-NI04V	2 AI	7789009xxx	1	A1504	1				
		2 AO								
Note A) Attention! Use only interfaces without LEDs for the direct option. Only use these interfaces, 1129100000, 1129110000, 1129120000 or 1129130000 for the insulated option										

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

* In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at www.weidmueller.com 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			O2012	1
	TM5SDO2T ^{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			O2008	1
DI/DO	TM5SDM12DT	8 DI	7789859xxx	1	H2008	1				
		4 DO			H2008	1			O2008	1
AI	TM5SAI2H	2 AI	7789841xxx	1	A1504M	1				
	TM5SAI2L	2 AI	7789841xxx	1	A1504M	1				
	TM5SAI2PH ^{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		
DO	BMX DDI 6402 K	64 DI	7789387xxx	2	H2016	2	I2016	2		
	BMX DAO 1605	16 DO	7789383xxx	1	R2416	1				
	BMX DDO 1602	16 DO	7789380xxx	1	H2016	1			02016	1
	BMX DDO 1612 ^{B)}	16 DO	7789380xxx	1	H2016	1			02016	1
	BMX DDO 3202 K	32 DO	7789387xxx	1	H2016	2			02016	2
	BMX DDO 6402 K	64 DO	7789387xxx	2	H2016	4			02016	4
	BMX DRA 0805	8 DO	7789633xxx	1	R2416	1				
DI/DO	BMX DRA 1605	16 DO	7789384xxx	1	R2416	1				
	BMX DDM 16022	8 DI	7789386xxx	1	H2008	1				
		8 DO			H2008	1			02008	1
	BMX DDM 16025	8 DI	7789635xxx	1	H2008	1				
		8 DO			R1208	1				
	BMX DDM 3202 K	16 DI	7789387xxx	1	H2016	1				
		16 DO			H2016	1			02016	1
AI	BMX AMI 0410	4 AI, current applications	7789638xxx	1	A1504	1				
	BMX AMI 0410	4 AI, voltage applications	7789637xxx	1	A1504	1				
	BMX ART 0414	4 AI	7789639xxx	1	A3716	1				
	BMX ART 0814	8 AI	7789639xxx	2	A3716	2				
AO	BMX AMO 0210	2 AO	7789640xxx	1	A1504	1				
AI/AO	BMX AMM 0600	4 AI + 2 AO, current applications	7789629xxx	1	A1504	2				
	BMX AMM 0600	4 AI + 2 AO, voltage applications	7789628xxx	1	A1504	2				
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.weidmuller.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		
	TSX DSZ 32R5	32 DI	7789330xxx	1	R3632	1				
DO	TSX DSZ 32T2	32 DI	7789314xxx	1	H2016	2	I2016	2		
	TSX DSZ 04T22	4 DO	7789312xxx	1	H2008	1			O2008	1
	TSX DSZ 08R5	16 DO	7789308xxx	1	R2416	1				
	TSX DSZ 08T2	8 DO	7789312xxx	1	H2008	1			O2008	1
DI/DO	TSX DMZ 16DTK	8 DI	7789834xxx	1	H2008	1				
		8 DO			H2008	1			O2008	1
	TSX DMZ 28AR	16 DI	7789331xxx	1	R2416	1				
		12 DO			R2416	1				
	TSX DMZ 28DR	16 DI	7789331xxx	1	R2416	1				
		12 DO			R2416	1				
	TSX DMZ 28DT	16 DI	7789313xxx	1	H2016	1				
		12 DO			H2016	1			O2016	1
	TSX DMZ 28DTK	16 DI	7789301xxx	1	H2016	1				
		12 DO	7789301xxx	1	H2012	1			O2012	1
	TSX DMZ 64DTK	32 DI	7789301xxx	2	H2016	2				
		32 DO	7789301xxx	2	H2016	2			O2016	2
AI	TSX AEZ 414	4 AI	7789309xxx	1	A1504	1				
	TSX AEZ 801	8 AI	7789311xxx	1	A2508	1				
	TSX AEZ 802	8 AI	7789311xxx	1	A2508	1				
AO	TSX ASZ 200	2 AO	7789310xxx	1	A1504	1				
	TSX ASZ 401	4 AO	7789310xxx	1	A1504	1				
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		
DO	TSX DEY 64D2K	64 DI	7789301xxx	4	H2016	4	I2016	4		
	TSX DSY 08R4D	8 DO	7789316xxx	1	R2416	1				
	TSX DSY 08R5	8 DO	7789316xxx	1	R2416	1				
	TSX DSY 08R5A	8 DO	7789318xxx	1	R2416	1				
	TSX DSY 08S5	8 DO	7789316xxx	1	R2416	1				
	TSX DSY 08T2	8 DO	7789322xxx	1	H2008	1			02008	1
	TSX DSY 08T22	8 DO	7789317xxx	1	R1208	1				
	TSX DSY 08T31	8 DO	7789317xxx	1	R1208	1				
	TSX DSY 16R5	16 DO	7789316xxx	1	R2416	1				
	TSX DSY 16S4	16 DO	7789316xxx	1	R2416	1				
	TSX DSY 16T2	16 DO	7789322xxx	2	H2016	1			02016	1
	TSX DSY 16T3 A)	16 DO	7789322xxx	4	H2016	1				
	TSX DSY 32T2K	32 DO	7789301xxx	2	H2016	2			02016	2
	TSX DSY 64T2K	64 DO	7789301xxx	4	H2016	4			02016	4
AI	TSX AEY 1600	16 AI	7789259xxx	2	A2508P	2				
	TSZ AEY 414	4 AI, resistances applications	7789319xxx	1	A2508P	1				
	TSX AEY 414	4 AI, current and voltage applications	7789320xxx	1	A1504	1				
	TSX AEY 420	4 AI	7789259xxx	1	A2508P	1				
	TSX AEY 800	8 AI	7789259xxx	1	A2508P	1				
	TSX AEY 810	8 AI	7789261xxx	1	A2508P	1				
AO	TSX ASY 410	4 AO, current applications	7789320xxx	1	A1504	1				
	TSX ASY 410	4 AO, voltage applications	7789321xxx	1	A1504	1				
	TSX ASY 800	8 AO	7789259xxx	1	A2508P	1				
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		
DO	140 DDI 853 00	32 DI	7789121xxx	1	H2016	2	I2016	2		
	140 DAO 840 00	16 DO	7789118xxx	1	R3632	1				
	140 DAO 842 10	16 DO	7789113xxx	1	R2416	1				
	140 DDO 353 00	32 DO	7789121xxx	1	H2016	2			02016	2
	140 DDO 364 00	96 DO	7789301xxx	6	H2016	6			02016	6
	140 DDO 843 00	16 DO	7789120xxx	1	H2016	1			02016	1
DI/DO	140 DRA 840 00	16 DO	7789118xxx	1	R3632	1				
	140 DDM 390 00	16 DI 8 DO	7789133xxx	1	H2016 H2008	1 1			02008	1
AI	140 ACI 030 00	8 AI, current applications	7789125xxx	1	A2508	1				
	140 ACI 030 00	8 AI, voltage applications	7789134xxx	1	A2508	1				
	140 ACI 040 00	16 AI	7789123xxx	1	A3716	1				
	140 AII 330 00	8 AI, 2-wire resistances applications	7789136xxx	1	A2508	1				
	140 ARI 030 10	8 AI, 2-wire resistances applications	7789135xxx	1	A2508	1				
	140 AVI 030 00	8 AI, current applications	7789125xxx	1	A2508	1				
	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 DDI 32DK	32 DI	7789328xxx	2	H2016	2	I2016	2		
	TWD DDI 8DT	8 DI, positive logic	7789100xxx	1	H2008	1	I2016	1		
	TWD DDI 8DT ^{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			O2016	1
		8 DO			H2016	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	6ES7223-1BF22-0XA0	4 DI 4 DO	7789100xxx	2	H2008 H2008	1 1			O2008	1
	6ES7223-1BH22-0XA0	8 DI 8 DO	7789100xxx	2	H2008 H2008	1 1			O2008	1
	6ES7223-1BL22-0XA0	16 DI 16 DO	7789100xxx	2	H2016 H2016	1 1			O2016	1
	6ES7223-1BM22-0XA0	32 DI 32 DO	7789100xxx	4	H2016 H2016	2 2			O2016	2
	6ES7223-1HF22-0XA0	4 DI 4 DO	7789100xxx 7789108xxx	1 1	H2008 R1208	1 1				
	6ES7223-1PH22-0XA0	8 DI 8 DO	7789100xxx 7789108xxx	1 1	H2008 R1208	1 1				
	6ES7223-1PL22-0XA0	16 DI 16 DO	7789100xxx 7789104xxx	1 1	H2016 R2416	1 1				
	6ES223-1PM22-0XA0	32 DI 32 DO	7789100xxx 7789104xxx	2 2	H2016 R2416	2 2				
	6ES7231-0HC22-0XA0	4 AI	7789250xxx	1	A1504	1				
	6ES7231-0HF22-0XA0	8 AI	7789252xxx	1	A2508	1				
	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			02008	1
	6ES7322-1BF01-0AA0	8 DO	7789239xxx	1	H2008	1			02008	1
	6ES7322-1BH00-0AA0	16 DO	7789234xxx	1	H2016	1			02016	1
	6ES7322-1BH01-0AA0	16 DO	7789234xxx	1	H2016	1			02016	1
	6ES7322-1BH10-0AA0	16 DO	7789234xxx	1	H2016	1			02016	1
	6ES7322-1BH81-0AA0	16 DO	7789234xxx	1	H2016	1			02016	1
	6ES7322-1BL00-0A00	32 DO	7789236xxx	1	H2016	2			02016	2
	6ES7322-1BP00-0AA0	64 DO	7789246xxx	2	H2016	4			02016	4
	6ES7322-1BP50-0AA0 ^{C)}	64 DO	7789246xxx	2	H2016	4			02016	4
	6ES7322-1CF00-0AA0	8 DO	7789191xxx	1	R1208	1				
	6ES7322-1CF80-0AA0	8 DO	7789191xxx	1	R1208	1				
	6ES7322-1EH00-0AA0	16 DO	7789211xxx	1	R2416	1				
	6ES7322-1EH01-0AA0	16 DO	7789211xxx	1	R2416	1				
	6ES7322-1EL00-0AA0	32 DO	7789211xxx	2	R2416	2				
	6ES7322-1FF00-0AA0	8 DO	7789219xxx	1	R1208	1				
	6ES7322-1FF01-0AA0	8 DO	7789219xxx	1	R1208	1				
	6ES7322-1FF81-0AA0	8 DO	7789219xxx	1	R1208	1				
	6ES7322-1FH00-0AA0	16 DO	7789211xxx	1	R2416	1				
	6ES7322-1FL00-0AA0	32 DO	7789211xxx	2	R2416	2				
	6ES7322-1HF80-0AA0	8 DO	7789190xxx	1	R2416	1				
	6ES7322-5RD00-0AB0 ^{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			02008	1
	6ES7322-8BF00-0AB0	8 DO, with redundancy	7789830xxx	1	H2008	1			02008	1
	6ES7322-8BH01-0AB0	16 DO, without redundancy	7789729xxx	1	H2016	1			02016	1
	6ES7322-8BH01-0AB0	16 DO, with redundancy	7789730xxx	1	H2016	1			02016	1
DI/DO	6ES7323-1BH00-0A00	8 DI	7789237xxx	1	H2008	1				
		8DO			H2008	1			02008	1
	6ES7323-1BH01-0A00	8 DI	7789237xxx	1	H2008	1				
		8 DO			H2008	1			02008	1
	6ES7323-1BH80-0AA0	8 DI	7789237xxx	1	H2008	1				
		8 DO			H2008	1			02008	1
	6ES7323-1BH80-0A00	8 DI	7789237xxx	1	H2008	1				
		8 DO			H2008	1			02008	1
	6ES7323-1BL00-0AA0	16 DI	7789236xxx	1	H2016	1	I2016	1		
		16 DO			H2016	1			02016	1

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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	8 AI	7789229xxx	1	A2508	1				
	6ES7331-7KF01-0AB0	8 AI	7789229xxx	1	A2508	1				
	6ES7331-7KF02-0AB0	8 AI	7789229xxx	1	A2508	1				
	6ES7331-7NF00-0AB0	8 AI	7789231xxx	1	A3716	1				
	6ES7331-7PF00-0AB0	8 AI, 2-wire applications	7789230xxx	1	A2508	1				
	6ES7331-7PF01-0AB0 ^{B)}	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 ^{B)}	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				
AI/AO	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				
	6ES7334-0CE01-0AA0	4 AI + 2 AO	7789225xxx	1	A3716	1				
CPU	6ES7334-0KE01-0AB0	4 AI + 2 AO	7789196xxx	1	A2508	1				
	6ES7335-7HG01-0AB0	4 AI + 2 AO	7789226xxx	1	A3716	1				
	6ES7335-7HG02-0AB0	4 AI + 2 AO	7789226xxx	1	A3716	1				
	6ES7312-5BD00-0AB0	10 DI 6 DO	7789221xxx	1	H2012 H2008	1 1			02008	1
	6ES7312-5BD01-0AB0	10 DI 6 DO	7789221xxx	1	H2012 H2008	1 1			02008	1
	6ES7312-5BE03-0AB0	10 DI 6 DO	7789221xxx	1	H2012 H2008	1 1			02008	1
	6ES7313-5BE00-0AB0	16 DI 16 DO	7789222xxx	1	H2016 H2016	1 1			02016	1
	6ES7313-5BE00-0AB0	8 DI 5 AI + 2 AO	7789223xxx	1	H2008 A2508P	1 1				
	6ES7313-5BE01-0AB0	16 DI 16 DO	7789222xxx	1	H2016 H2016	1 1	I2016	1		
	6ES7313-5BE01-0AB0	8 DI	7789223xxx	1	H2008	1			02016	1
	6ES7313-5BE01-0AB0	5 AI + 2 AO	7789223xxx	1	A2508P	1				
	6ES7313-5BE01-0AB0	16 DI 16 DO	7789222xxx	1	H2016 H2016	1 1			02016	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		
DO	6ES7421-7DH00-0AB0	16 DI	7789278xxx	1	R3632	1				
	6ES7422-1BH10-0AA0	16 DO	7789291xxx	1	H2016	1			02016	1
	6ES7422-1BH11-0AA0	16 DO	7789291xxx	1	H2016	1			02016	1
	6ES7422-1BL00-0AA0	32 DO	7789292xxx	1	H2016	2			02016	2
	6ES7422-1FF00-0AA0	8 DO	7789283xxx	1	R1208	1				
	6ES7422-1FH00-0AA0	16 DO	7789273xxx	1	R2416	1				
	6ES7422-1HH00-0AA0	16 DO	7789270xxx	1	R3632	1				
AI	6ES7422-5EH10-0AB0	16 DO	7789291xxx	1	H2016	1			02016	1
	6ES7422-7BL00-0AB0	32 DO	7789292xxx	1	H2016	2			02016	2
	6ES7431-0HH00-0AB0	16 AI	7789284xxx	1	A3716	1				
	6ES7431-1KF00-0AB0	8 AI, voltage and resistance applications	7789286xxx	1	A2508	1				
	6ES7431-1KF00-0AB0	8 AI, current applications	7789287xxx	1	A2508	1				
	6ES7431-1KF10-0AB0	8 AI	7789285xxx	1	A2508	1				
	6ES7431-1KF20-0AB0	8 AI	7789285xxx	1	A2508	1				
AO	6ES7431-7KF10-0AB0	16 AI	7789284xxx	1	A3716	1				
	6ES7431-7QH00-0AB0	16 AI	7789284xxx	1	A3716	1				
	6ES7432-1HF00-0AB0	8 AO, 8 AO, common mode voltage applications	7789288xxx	1	A2508	1				
Note										

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

PLC SIEMENS – S7-1200

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.38 (H) or A.60 (A) -		- see page A.66 -		- see page A.70 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	6ES7221-1BF30-0XB0	8 DI	1329110xxx	1	H2008	1				
	6ES7221-1BH30-0XB0	16 DI	1329120xxx	1	H2016	1	H2016			
DO	6ES7222-1HF30-0XB0	8 DO	1329130xxx	1	R1208	1				
	6ES7222-1HH30-0XB0	16 DO	1329140xxx	1	R2416	1				
	6ES7222-1BF30-0XB0	8 DO	1329150xxx	1	H2008	1			02008	1
	6ES7222-1BH30-0XB0	16 DO	1329170xxx	1	H2016	1			02016	1
	6ES7223-1PH30-0XB0	8 DI	1329180xxx	1	H2008	1				
DI/DO	6ES7223-1PL30-0XB0	8 DO	1329190xxx	1	R1208	1				
		16 DI	1329200xxx	1	H2016	1				
	6ES7223-1BH30-0XB0	16 DO	1329210xxx	1	R2416	1				
		8 DI	1329180xxx	1	H2008	1				
	6ES7223-1BL30-0XB0	8 DO	1329230xxx	1	H2008	1			02008	1
		16 DI	1329200xxx	1	H2016	1				
		16 DO	1329240xxx	1	H2016	1			02016	1
		8 DI	1329250xxx	1	A1504	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.weidmuller.com where you will always find the most up-to-date information.

RS IO – Selection guide for passive interfaces for digital signals

Type			Features					Interfaces		
Number of channels	Family	Type of wiring	Connection		LED by channel	Disconnectable	Fuse	Order No.	Type	Page
			Screw	Tension clamp connection						
8-channel	H2008	2-wire						9445530000	RS 8IO 2W L H S	A.40
	R1208	2-wire						9441540000	RS 8IO 2W R S	A.41
12-channel	H2012	2-wire						9445630000	RS 12IO 2W L H S	A.42
16-channel	H2016	1-wire						9445700000	RS 16IO 1W H S	A.43
								9445710000	RS 16IO 1W L H S	A.43
								1311750000	RS 16IO 1W H Z	A.43
								1311770000	RS 16IO 1W L H Z	A.43
						↕		9445810000	RS 16IO 1W L H S	A.44
						↕		1311780000	RS 16IO 1W L H Z	A.44
		2-wire						9445720000	RS 16IO 2W H S	A.45
								9445730000	RS 16IO 2W L H S	A.45
								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 L H S	A.46
						↕		1311820000	RS 16IO 2W I H Z	A.46
						↕		1311830000	RS 16IO 2W L H Z	A.46
								9445820000	RS 16IO 2W F H S	A.47
								1311850000	RS 16IO 2W F L H S	A.47
								1311840000	RS 16IO 2W F H Z	A.47
								1311870000	RS 16IO 2W F L H Z	A.47
	3-wire						9445760000	RS 16IO 3W H S	A.48	
							9445770000	RS 16IO 3W L H S	A.48	
							1311880000	RS 16IO 3W H Z	A.48	
							1311890000	RS 16IO 3W L H Z	A.48	
							9441500000	RS 16IO 1W R S	A.49	
							9441860000	RS 16IO 1W I R S	A.49	
R2416	1-wire					↕		9441700000	RS 16IO 2W R S	A.50
	2-wire							9441560000	RS 16IO 2W F R S	A.50
	3-wire					↕		9441600000	RS 16IO 3W I R S	A.51
32-channel	H2032	1-wire						9445900000	RS 32IO 1W H S	A.52
								9445910000	RS 32IO 1W L H S	A.52
						↕		9445870000	RS 32IO 1W L H S	A.53
		2-wire						9445930000	RS 32IO 2W L H S	A.54
						↕		9445950000	RS 32IO 2W L H S	A.54
						↕		9445980000	RS 32IO 2W F H S	A.55
	R3632	3-wire						9445960000	RS 32IO 3W H S	A.56
								9445970000	RS 32IO 3W L H S	A.56
						↕		9441510000	RS 32IO 1W R S	A.57
		1-wire				↕		9441870000	RS 32IO 1W I R S	A.57
								9441710000	RS 32IO 2W R S	A.58
								9441570000	RS 32IO 2W F R S	A.58
3-wire					↕		9441610000	RS 32IO 3W I R S	A.59	
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 L H Z	2 units		9445870000	RS 32IO 1W L H S	1 unit		
		9445730000	RS 16IO 2W L H S	2 units		9445930000	RS 32IO 2W L H S	1 unit		
		9445750000	RS 16IO 2W L H S	2 units		9445950000	RS 32IO 2W L H S	1 unit		
		9445820000	RS 16IO 2W F H S	2 units		9445980000	RS 32IO 2W F H S	1 unit		
		9445760000	RS 16IO 3W H S	2 units		9445960000	RS 32IO 3W H S	1 unit		
		9445770000	RS 16IO 3W L H S	2 units		9445970000	RS 32IO 3W L H S	1 unit		

RS IO - Passive interface for digital signals

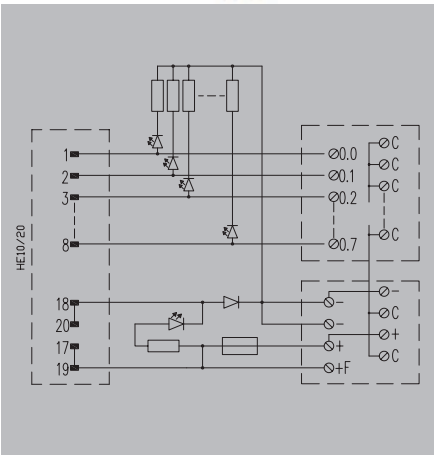
RS IO - Interface for 8 digital signals 2-wire H (HE connector) system

Digital input/output passive interface

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

RS 8IO 2W L H

H system, 2 wires with LED



Technical data

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

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

Ordering data

Screw connection with LED

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

Note

Accessories

Note

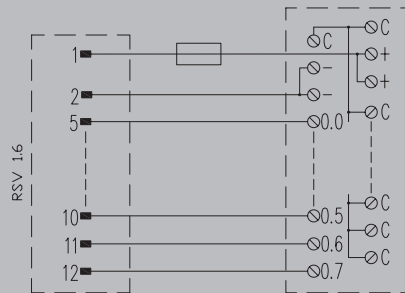
Note

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

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

Rated data

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

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

General data

Ambient temperature (operational)
 Storage temperature
 Approvals

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

Insulation coordination (EN50178)

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

< 250 V AC
 II
 2
 2.1 kV

Dimensions

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

Screw connection
 0.13 mm² / 6 mm²
 0.13 mm² / 6 mm²
 TS 32, TS 35
 68 mm / 87 mm

Note

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

Ordering data

Screw connection without LED

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

Note**Accessories****Note**

RS IO - Passive interface for digital signals

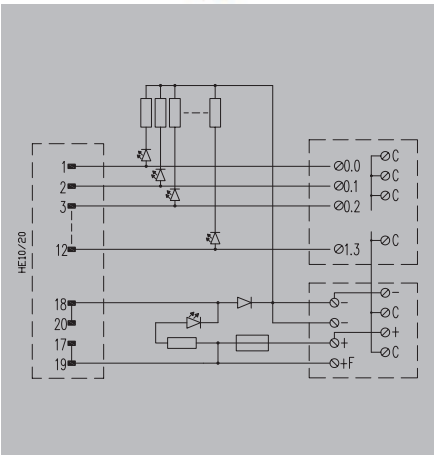
RS IO - Interface for 12 digital signals 2-wire H system

Digital input/output passive interface

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

RS 12IO 2W L H

H system, 2 wires with LED



Technical data

Connection data and functionality

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

Rated data

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

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Dimensions

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

Note

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

20-pole plug

green

yellow

No

3.15 A

No

24 V DC $\pm$ 10%

1 A

24 V DC $\pm$ 10%

2 A

-25...+50°C

-40...+60 °C

CE; GOSTME25

< 50 V AC

III

2

0.8 kV

Screw connection

0.13 mm² / 6 mm²

0.13 mm² / 6 mm²

TS 32, TS 35

95 mm / 87 mm

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

Ordering data

Screw connection with LED

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

Note

Accessories

Note

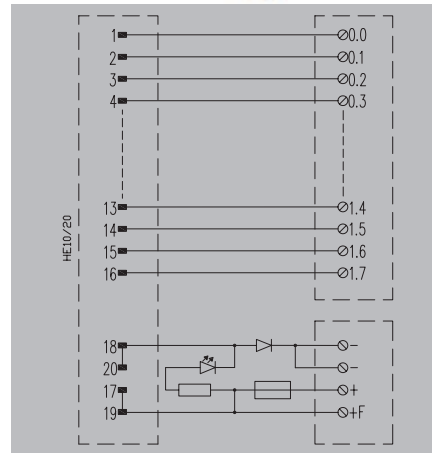
RS IO - Interface**for 16 digital signals 1-wire H system**

Digital input/output passive interface

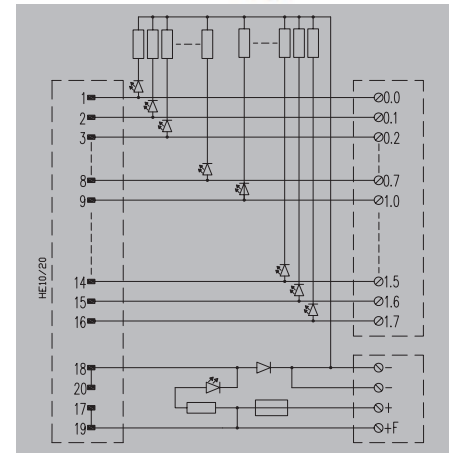
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

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

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

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

Ordering data

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

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

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

Accessories

Note

Note

Note

RS IO - Passive interface for digital signals

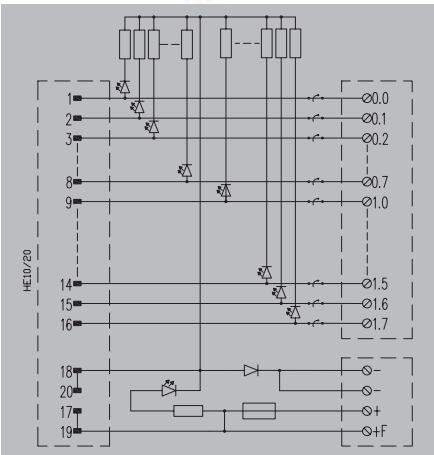
RS IO - Interface for 16 digital signals 1-wire H system

Digital input/output passive interface

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

RS 16IO 1W I-L H

H system, 1 wire with LED and disconnection per channel



Technical data

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

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

Ordering data

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

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

Accessories

Note

Note

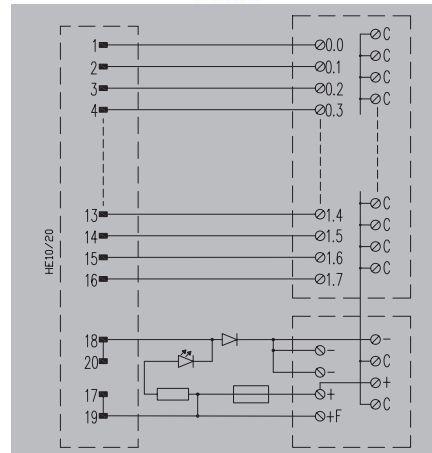
RS IO - Interface**for 16 digital signals 2-wire H system**

Digital input/output passive interface

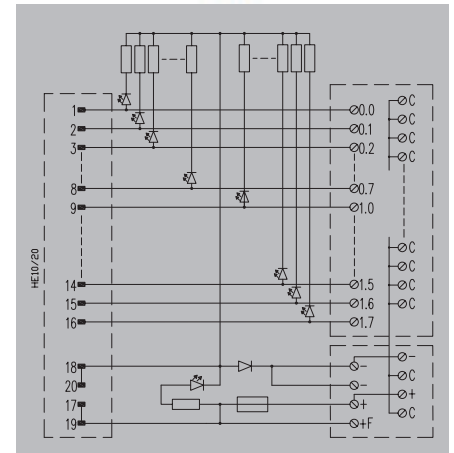
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

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

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

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

Ordering data

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

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

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

Accessories

Note

Note

Note

RS IO - Passive interface for digital signals

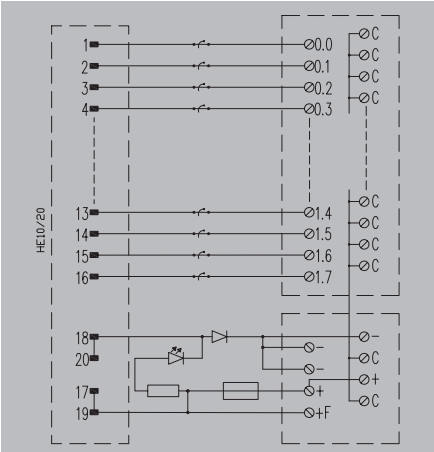
RS IO - Interface for 16 digital signals 2-wire H system

Digital input/output passive interface

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

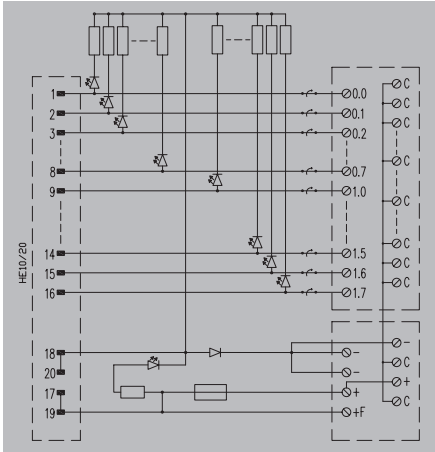
RS 16IO 2W I H

H system, 2 wires with disconnection per channel



RS 16IO 2W I L H

H system, 2 wires with LED and disconnection per channel



Technical data

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

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

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

Ordering data

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

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

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

Accessories

Note

Note

Note

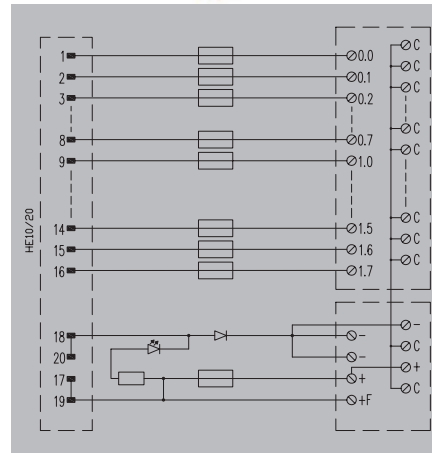
RS IO - Interface**for 16 digital signals 2-wire H system**

Digital input/output passive interface

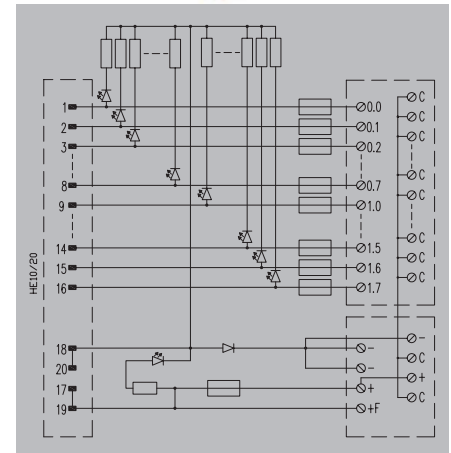
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

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

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

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

Ordering data

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

Accessories

Note

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

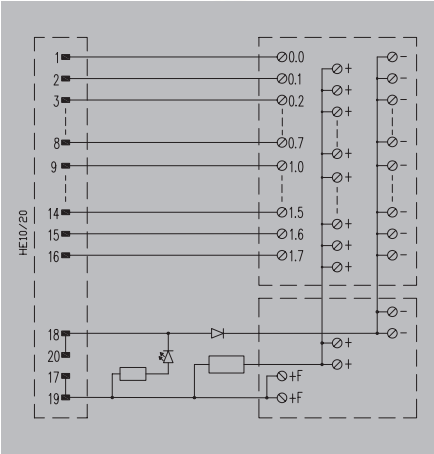
RS IO - Passive interface for digital signals

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

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

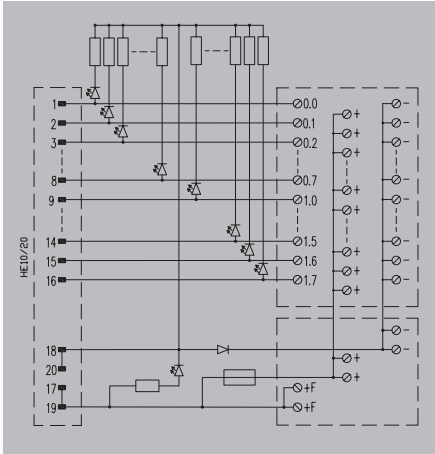
RS 16IO 3W H

H system, 3 wires



RS 16IO 3W L H

H system, 3 wires with LED



Technical data

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

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

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

Ordering data

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

Accessories

Note

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

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

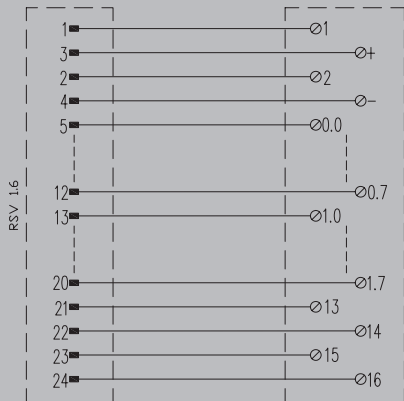
RS IO - Interface**for 16 digital signals 1-wire R system**

Digital input/output passive interface

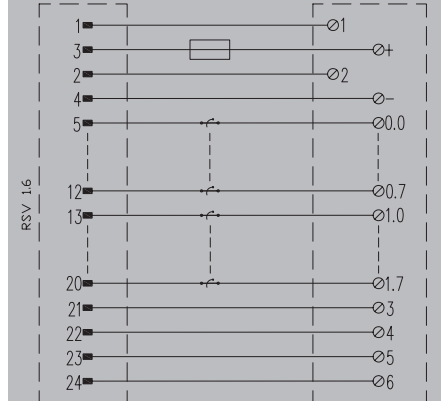
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

RS 16IO 1W R

R system, 1 wire

**RS 16IO 1W I R**

R system, 1 wire with disconnection per channel

**Technical data**

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

Connector RSV 1.6		
24-pole female		
No		
No		
No		
No		
No		
No		
150 V UC		
1 A		
24 V DC ± 10%		
3 A		
-25...+50°C		
-40...+60 °C		
CE; GOSTME25		
< 150 V AC		
II		
2		
1.5 kV		
Screw connection		
0.13 mm² / 2.5 mm²		
0.13 mm² / 2.5 mm²		
TS 32, TS 35		
97 mm / 87 mm		

Connector RSV 1.6		
24-pole female		
No		
No		
No		
3.15 A		
No		
250 V UC		
1 A		
24 V DC ± 10%		
3 A		
-25...+50°C		
-40...+60 °C		
CE; GOSTME25		
< 250 V AC		
II		
2		
2.1 kV		
Screw connection		
0.13 mm² / 6 mm²		
0.13 mm² / 6 mm²		
TS 32, TS 35		
127 mm / 87 mm		

Ordering data

Screw connection without LED

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

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

Note

Accessories

Note

RS IO - Passive interface for digital signals

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

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

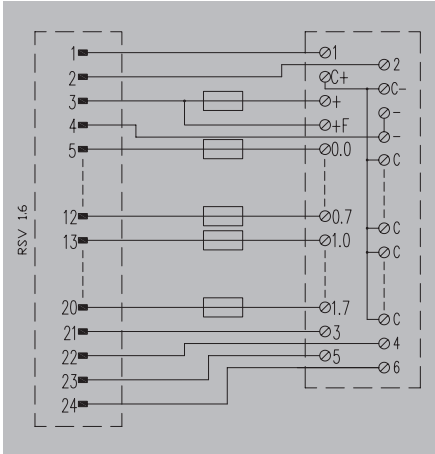
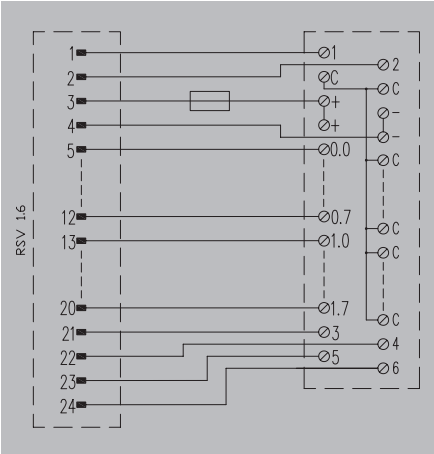
RS 16IO 2W R

R system, 2 wires



RS 16IO 2W F R

R system, 2 wires with fuse per channel



Technical data

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

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

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

Ordering data

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

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

Note

Note

Accessories

Note

Note

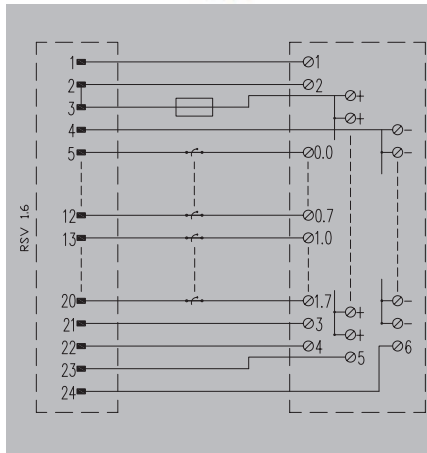
RS IO - Interface**for 16 digital signals 3-wire R system**

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

Connector RSV 1.6
 24-pole female
 No
 No
 No
 3.15 A
 No

Rated data

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

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

General data

Ambient temperature (operational)
 Storage temperature
 Approvals

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

Insulation coordination (EN50178)

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

250 V AC
 II
 2
 2.1 kV

Dimensions

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

Screw connection
 0.13 mm² / 6 mm²
 0.13 mm² / 6 mm²
 TS 32, TS 35
 116 mm / 109 mm

Note

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

Ordering data

Screw connection without LED

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

Note**Accessories****Note**

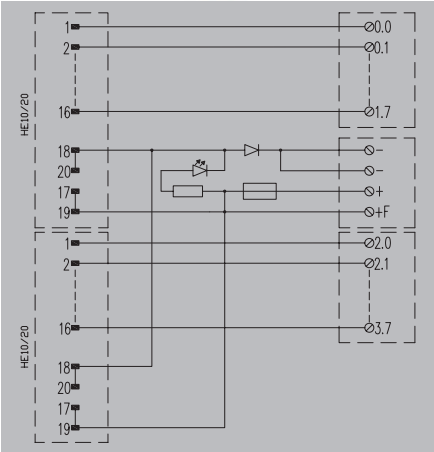
RS IO - Passive interface for digital signals

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

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

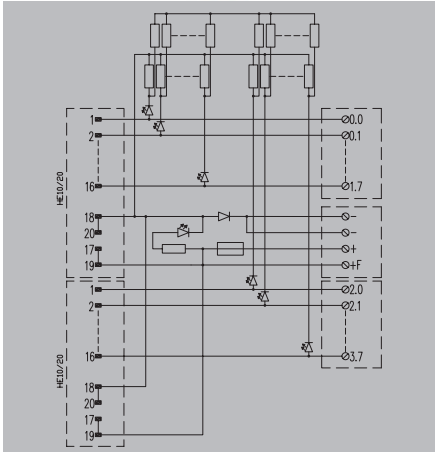
RS 32IO 1W H

H system, 1 wire



RS 32IO 1W L H

H system, 1 wire with LED



Technical data

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

2x Plug-in connector acc. IEC 603-1 / DIN 41651
2x20-pole plug
No
yellow
No
3.15 A
No
25 V AC / 50 V DC
1 A
24 V DC ± 10%
2 A
-25...+50°C
-40...+60 °C
CE
< 50 V AC
III
2
0.8 kV
Screw connection
0.13 mm ² / 6 mm ²
0.13 mm ² / 6 mm ²
TS 32, TS 35
90 mm / 87 mm

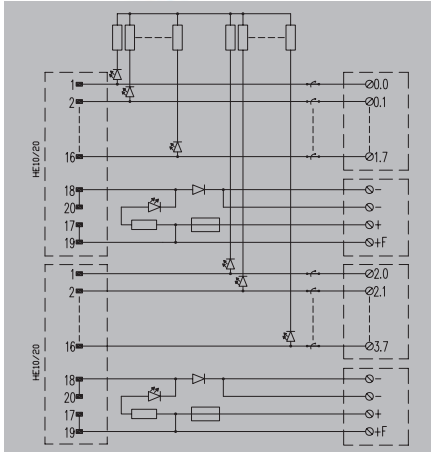
2x Plug-in connector acc. IEC 603-1 / DIN 41651
2x20-pole plug
green
yellow
No
3.15 A
No
24 V DC ± 10%
1 A
24 V DC ± 10%
2 A
-25...+50°C
-40...+60 °C
CE
< 50 V AC
III
2
0.8 kV
Screw connection
0.13 mm ² / 6 mm ²
0.13 mm ² / 6 mm ²
TS 32, TS 35
90 mm / 87 mm

Ordering data

Type	Height	Order No.
RS 32IO 1W H S	72 mm	9445900000
RS 32IO 1W L H S	72 mm	9445910000
Note		
Accessories		
Note		

Type	Height	Order No.
RS 32IO 1W H S	72 mm	9445900000
RS 32IO 1W L H S	72 mm	9445910000
Note		
Accessories		
Note		

Type	Height	Order No.
RS 32IO 1W H S	72 mm	9445900000
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 $\pm 10\%$

1 A

24 V DC $\pm 10\%$

2 A

-25...+50°C

-40...+60 °C

CE

< 50 V AC

III

2

0.8 kV

Screw connection0.13 mm² / 6 mm²0.13 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 - Passive interface for digital signals

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

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

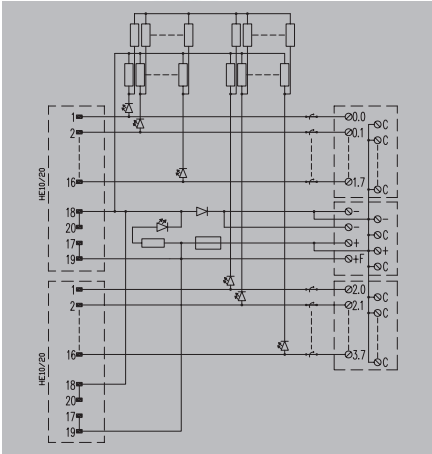
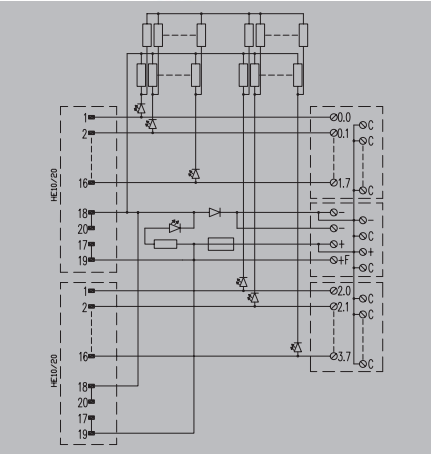
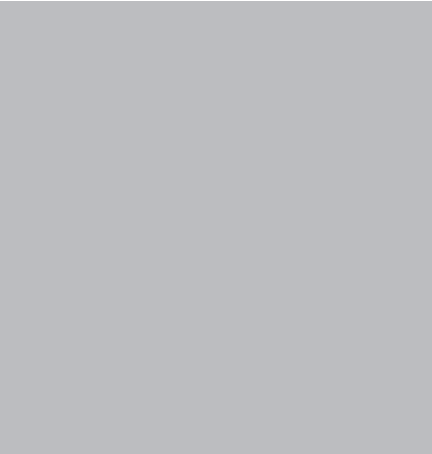
RS 32IO 2W L H

H system, 2 wires with LED



RS 32IO 2W I-L H

H system, 2 wires with LED and disconnection per channel



Technical data

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

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

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

Ordering data

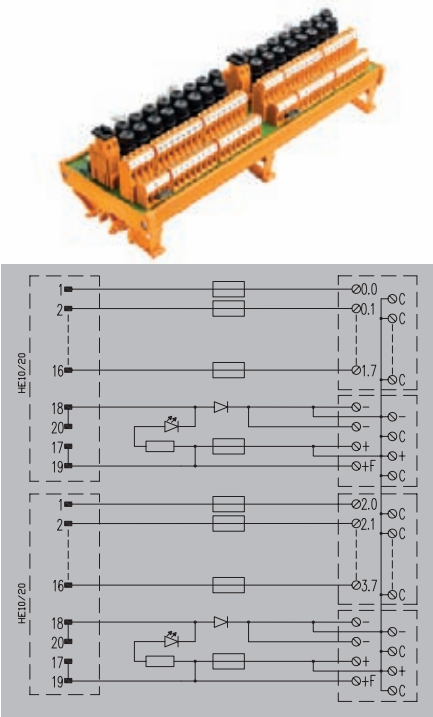
	Screw connection without LED
	Screw connection with LED
Note	
Accessories	
Note	

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

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

RS 32IO 2W F H

H system, 2 wires with fuse per channel



2x Plug-in connector acc. IEC 603-1 / DIN 41651		
2x20-pole plug		
No		
yellow		
500 mA		
3.15 A		
No		
25 V AC / 50 V DC		
1 A		
24 V DC ± 10%		
2 A		
-25...+50°C		
-40...+60 °C		
< 50 V AC		
III		
2		
0.8 kV		
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 - Passive interface for digital signals

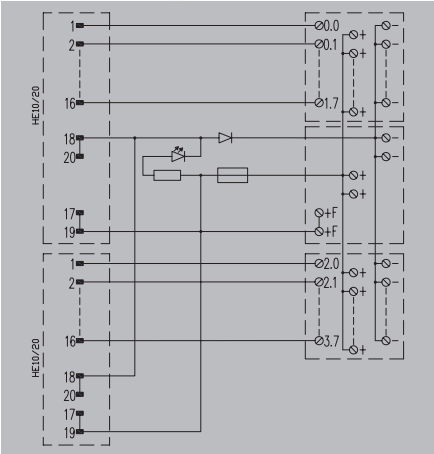
RS IO - Interface for 32 digital signals 3-wire H system

Digital input/output passive interface

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

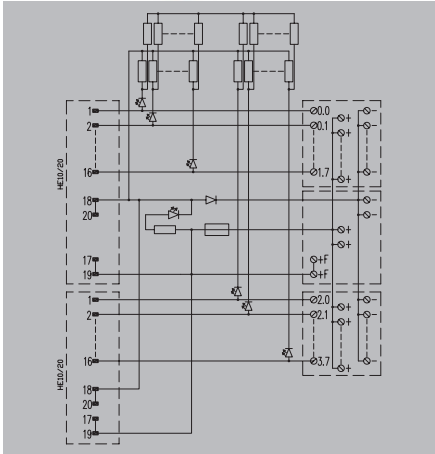
RS 32IO 3W H

H system, 3 wires



RS 32IO 3W L H

H system, 3 wires with LED



Technical data

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

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

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

Ordering data

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

Note

Accessories

Note

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

Note

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

Note

Note

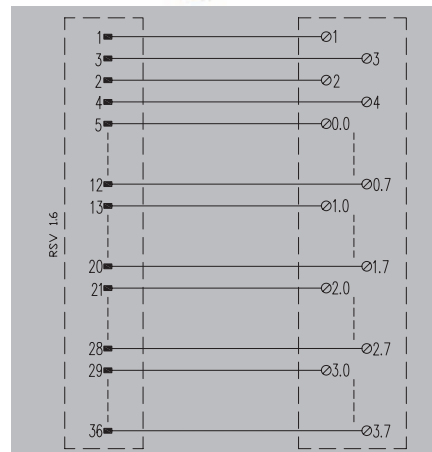
RS IO - Interface**for 32 digital signals 1-wire R system**

Digital input/output passive interface

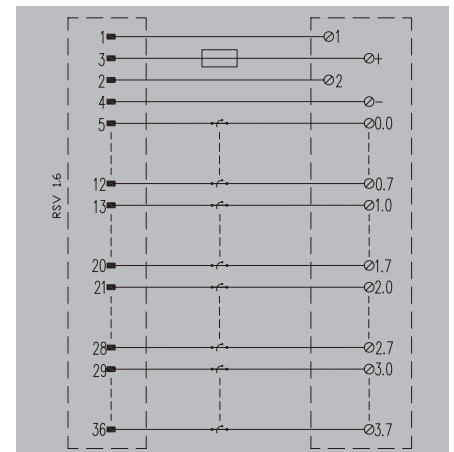
- 1, 2 or 3 wires
- With LED indicator (optional)
- With fuse or disconnection per channel (optional)
- Fuse powered protection
- Screw or tension clamp connection

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

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

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

Ordering data

Screw connection without LED

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

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

Note**Accessories****Note**

RS IO - Passive interface for digital signals

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

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

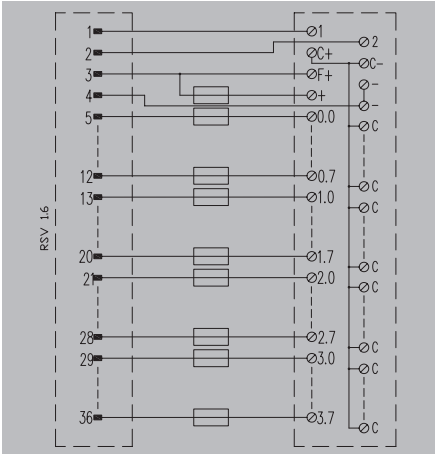
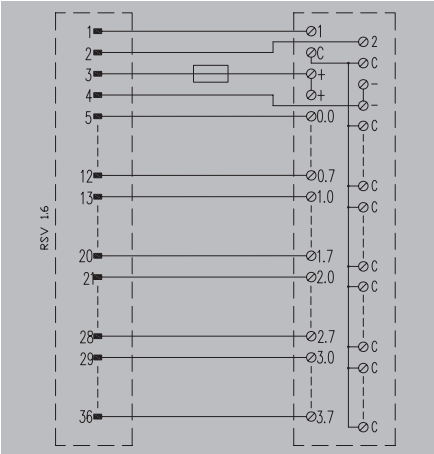
RS 32IO 2W R

R system, 2 wires



RS 32IO 2W F R

R system, 2 wires with fuse per channel



Technical data

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

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

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

Ordering data

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

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

Note

Accessories

Note

Note

Note

Note

Note

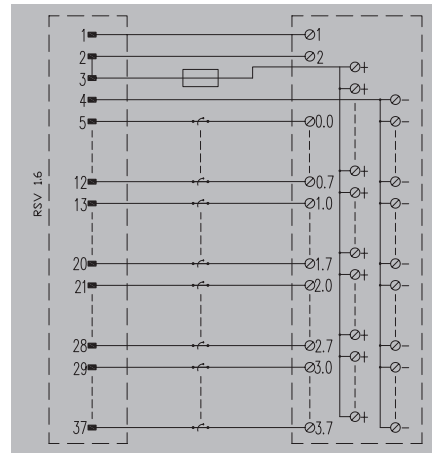
RS IO - Interface for 32 digital signals 3-wire R system

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 $\pm$ 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 (1,2/50 μ s)	1.5 kV
Dimensions	
Clamping range, min. /max. [Field]	0.13 mm ² / 2.5 mm ²
Clamping range, min. /max. [supply]	0.13 mm ² / 2.5 mm ²
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.
RS 32IO 3W I R S	84 mm	9441610000

Screw connection without LED

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			TTTT			9448000000	RS 4AI0 DP SD S	A.61
				TTTT			1308230000	RS 4AI0 DP SD Z	A.61
				TTTT	↔	!	9448100000	RS 4AI0 I-M-DP SD S	A.61
				TTTT	↔	!	1308240000	RS 4AI0 I-M-DP SD Z	A.61
4-channels M	A1504M						1289090000	RS 4AI0 DP-M258 SD S	A.62
8-channel	A2508			TTTT			9448010000	RS 8AI0 DP SD S	A.63
				TTTT			1308250000	RS 8AI0 DP SD Z	A.63
				TTTT	↔	!	9448110000	RS 8AI0 I-M-DP SD S	A.63
				TTTT	↔	!	9449110000	RS 8AI0 I-M-DP SD Z	A.63
8-channel P	A2508P			TTTT	↔		9448030000	RS 8AI PREM/APR SD S	A.64
8-channel M	A2508M						9448040000	RS 8AI1AO MICRO SD S	A.64
16-channel	A3716			TTTT			9448020000	RS 16AI0 DP SD S	A.65
				TTTT			1308270000	RS 16AI0 DP SD Z	A.65
				TTTT	↔	!	9448120000	RS 16AI0 I-M-DP SD S	A.65
				TTTT	↔	!	1308280000	RS 16AI0 I-M-DP SD Z	A.65
Note:	Coding of the interface descriptions								
RS 4AI0: 4 inputs/outputs 8AI0: 8 inputs/outputs 8AI: 8 inputs 8AI1AO: 8 inputs/1 outputs 16AI0: 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	

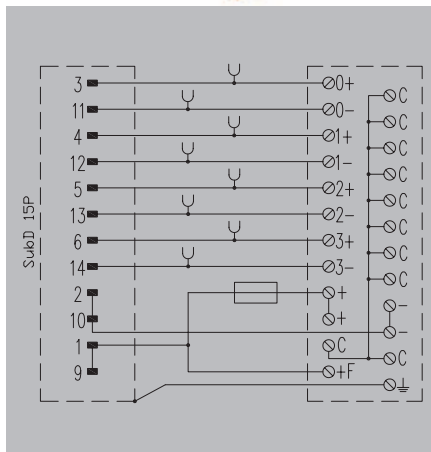
RS A - Passive interface for 4 analogue signals

Analogue input/output passive interface:

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

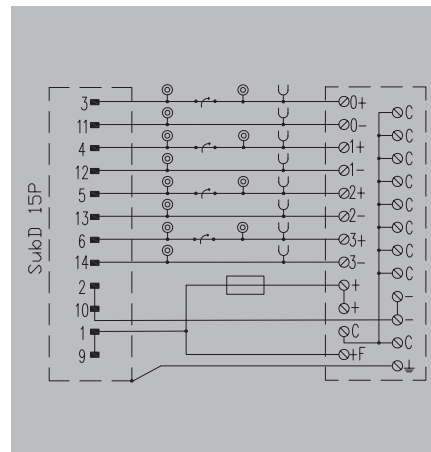
RS 4AI0 DP SD

4 channels



RS 4AI0 I-M-DP SD

4 channels, test points and disconnection per channel



Technical data

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

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

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

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

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

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

Ordering data

Screw connection	
Tension clamp connection	

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

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

Note

Accessories

Note

RS A - Passive interface for analogue signals

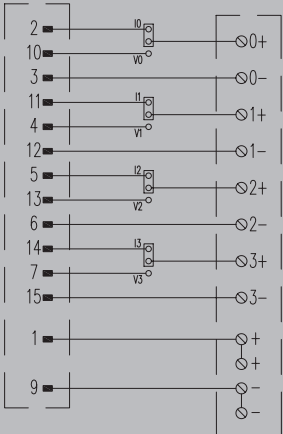
RSA - Interface for 4 analogue signals for Schneider M258

Analogue input/output passive interface:

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

RS 4AI0 DP-M258 SD

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



Technical data

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

SUB-D plug, in compliance with IEC 807-2 / DIN 41652
15-pole plug
No
No
No
No
≤ 25 V AC / 50 V DC
0.5 A
24 V DC ± 10%
3 A
-20...+50°C
-40...+60 °C
CE
< 50 V AC
III
2
0.8 kV
Screw connection
0.13 mm ² / 6 mm ²
0.13 mm ² / 6 mm ²
TS 32, TS 35
45 mm / 70 mm

Ordering data

Screw connection

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

Note

Accessories

Note

Note

Note

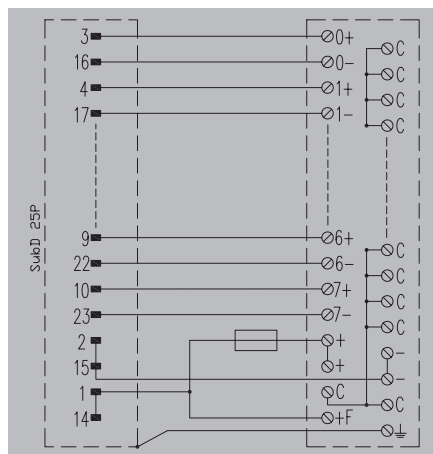
RSA - Interface for 8 analogue signals

Analogue input/output passive interface:

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

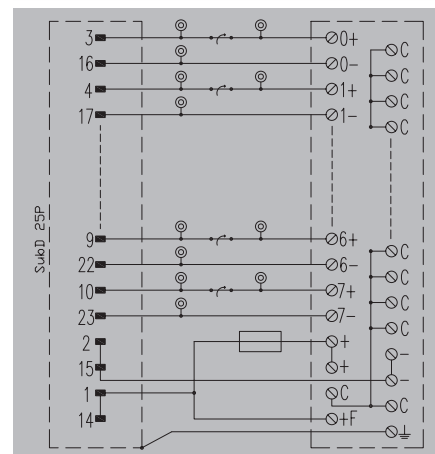
RS 8AIO DP SD

8 channels



RS 8AIO I-M-DP SD

8 channels, test points and disconnection per channel



Technical data

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

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

SUB-D plug, in compliance with IEC 807-2 / DIN 41652	
25-pole plug	
No	
No	
3.15 A	
Diameter: 4 mm	
Rated data	
≤ 25 V AC / 50 V DC	
0.5 A	
24 V DC ± 10%	
3 A	
General data	
-20...+50°C	
-40...+60 °C	
CE; GOSTME25	
Insulation coordination (EN50178)	
< 50 V AC	
III	
2	
0.8 kV	

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

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

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

Ordering data

Screw connection	
Tension clamp connection	

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

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

Note

Accessories

Note

RS A - Passive interface for analogue signals

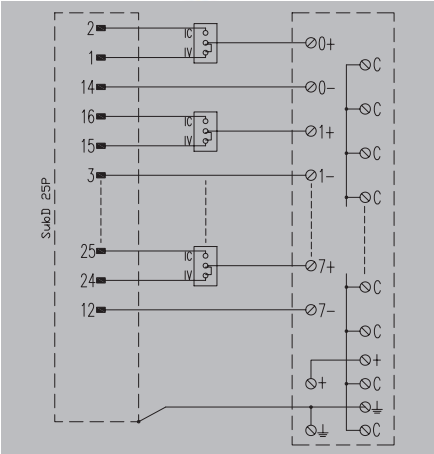
RSA - Interface for 8 and 9 analogue signals for Schneider Micro/Premium

Analogue input/output passive interface:

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

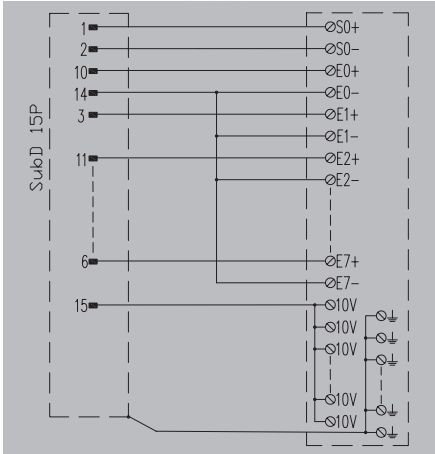
RS 8AI PREM/APR SD

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



RS 8AI1AO MICRO SD

9 channels for Micro (Schneider)



Technical data

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

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

Ordering data

	Screw connection
--	------------------

Note

Accessories

Note

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

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

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

Note

Note

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

Screw connection	
0.13 mm ² / 6 mm ²	
0.13 mm ² / 6 mm ²	
TS 32, TS 35	
100 mm / 87 mm	

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

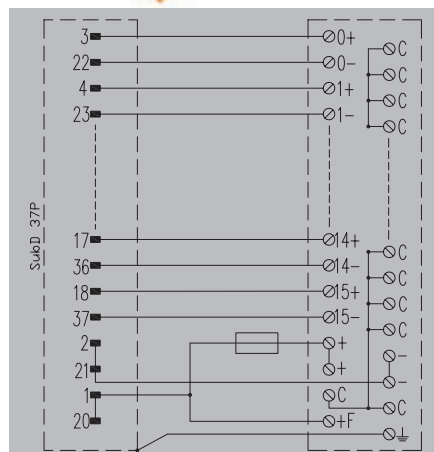
Note

Note

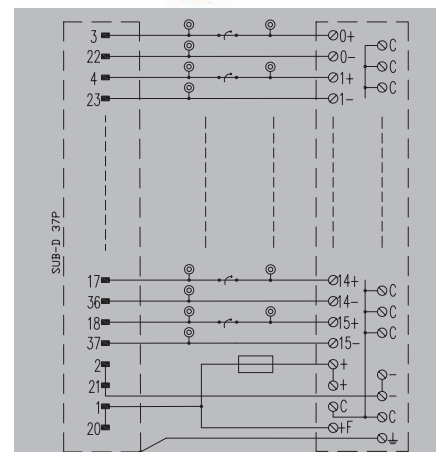
Analogue input/output passive interface:

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

16 channels



16 channels, test points and disconnection per channel



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

SUB-D plug, in compliance with IEC 807-2 / DIN 41652
37-pole plug
No
No
3.15 A
No
≤ 25 V AC / 50 V DC
0.5 A
24 V DC ± 10%
3 A
-20...+50°C
-40...+60 °C
CE; GOSTME25
< 50 V AC
III
2
0.8 kV

SUB-D plug, in compliance with IEC 807-2 / DIN 41652
37-pole plug
No
No
3.15 A
Diameter: 4 mm
≤ 25 V AC / 50 V DC
0.5 A
24 V DC ± 10%
3 A
-20...+50°C
-40...+60 °C
CE; GOSTME25
< 50 V AC
III
2
0.8 kV

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

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
205 mm / 87 mm	205 mm / 87 mm
The common C may carry up to 3 A if the external jumpers are not used	

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
197 mm / 109 mm	197 mm / 109 mm
The common C may carry up to 3 A if the external jumpers are not used	

Screw connection
Tension clamp connection

Type	Height	Order No.
RS 16AIO DP SD S	81 mm	9448020000
RS 16AIO DP SD Z	72 mm	1308270000

Type	Height	Order No.
RS 16AlO I-M-DP SD S	81 mm	9448120000
RS 16AlO 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	
Number of poles (control side)	
Relay type	
LED status display per relay	
LED status of the supply voltage	
Power supply fuse	
Nominal input data	
Input voltage	
Input current	
Operating voltage (supply)	
Operating current (supply)	
Nominal output data	
Contact material	
Operating voltage	
Max. DC continuous current	
Minimum contact current	
Minimum contact voltage	
Mechanical service life	
General data	
Ambient temperature (operational)	
Storage temperature	
Approvals	
Insulation coordination (EN50178)	
Rated input insulation voltage	
Rated output insulation voltage	
Overvoltage category input/output	
Overvoltage category input/input	
Pollution severity level	
Pulse voltage test (1,2/50µs)	
Insulation test voltage	
Clearance input/output	
Dimensions	
Clamping range, min. /max. [Field]	
Clamping range, min. /max. [supply]	
Mounting rail	
Length x width	
Note	

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

Ordering data

Screw connection without switch
Tension-clamp connection without switch

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

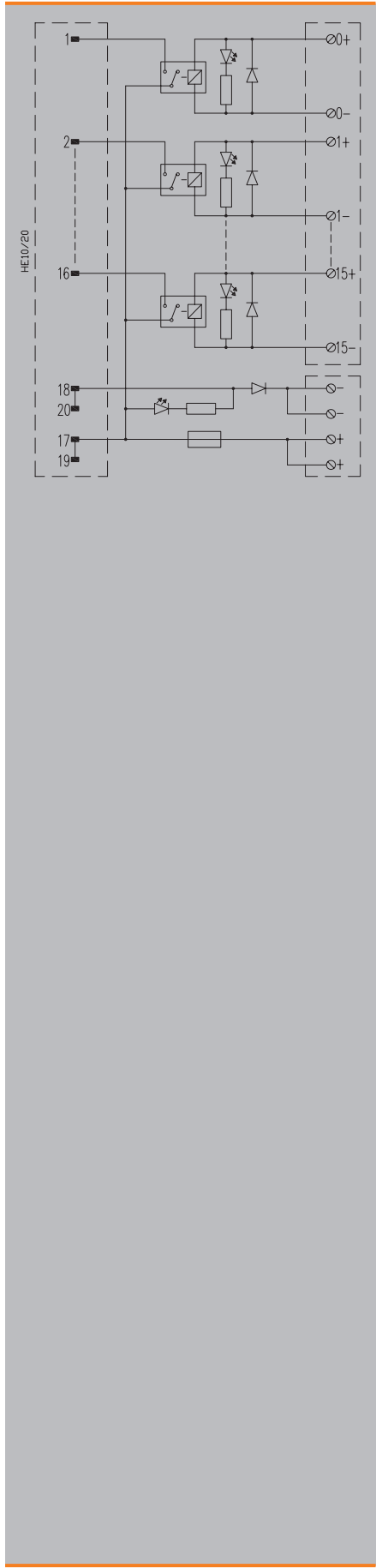
Note

Accessories

Note

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Relay 4061590000 RSS 24 V DC 1CD AU



RSM - isolated interfaces for digital input signals

RSM - isolated interfaces for 16 digital input signals

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

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

RSM-16 DI 48 V DC

6 mm relays; 48 V DC AU



Technical data

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

Plug-in connector acc. IEC 603-1 / DIN 41651
20-pole plug
RSS
green
yellow
2 A
Input voltage
48 V DC ± 10%
Input current
10 mA
Operating voltage (supply)
24 V DC ± 10%
Operating current (supply)
2 A
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
Ambient temperature (operational)
-20...+50°C
Storage temperature
-20...+70 °C
Approvals
CE
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
Screw connection
0.13 mm ² / 6 mm ²
Tension clamp connection
0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²
0.13 mm ² / 2.5 mm ²
TS 32, TS 35
TS 32, TS 35
124 mm / 109 mm
124 mm / 109 mm

Ordering data

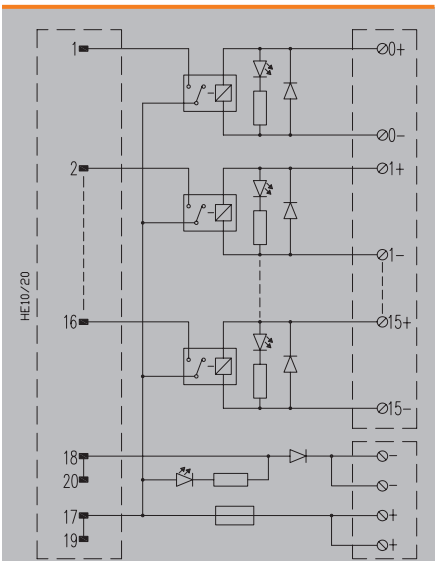
Screw connection without switch
Tension-clamp connection without switch

Type	Height	Order No.
RSM-16DI 48VDC S	72 mm	1312020000
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		Voltage	Type of contact	Fuse	Switch (coil)	Switch (contact)	Order No.	Type	Page
			Screw	Tension clamp connection								
8-channel	02008				24 V DC	1CO				1128970000	RSM-8 PLC C 1CO S	A.71
					24 V DC	1CO				1128990000	RSM-8 PLC C SW 1CO S	A.71
					24 V DC	1CO				1128980000	RSM-8 PLC C 1CO Z	A.71
					24 V DC	1CO				1129000000	RSM-8 PLC C SW 1CO Z	A.71
		2 lines			24 V DC	1CO				9445000000	RSM-8 C 1CO S	A.72
		2 lines			24 V DC	1CO				9447000000	RSM-8 C 1CO Z	A.72
12-channel	02012				24 V DC	1CO				1289100000	RSM-12 PLC C 1CO S	A.73
		2 lines			24 V DC	1CO				9445060000	RSM-12 C 1CO S	A.74
16-channel	02016				24 V DC	1CO				1129010000	RSM-16 PLC C 1CO S	A.75
					24 V DC	1CO				1129030000	RSM-16 PLC C SW 1CO S	A.75
					24 V DC	1CO				1129020000	RSM-16 PLC C 1CO Z	A.75
					24 V DC	1CO				1129040000	RSM-16 PLC C SW 1CO Z	A.75
		1 line			24 V DC (+/-)	1CO				1129100000	RSM-16 PLC 1CO S	A.76
		1 line			24 V DC (+/-)	1CO				1129120000	RSM-16 PLC SW 1CO S	A.76
		1 line			24 V DC (+/-)	1CO				1129110000	RSM-16 PLC 1CO Z	A.76
		1 line			24 V DC (+/-)	1CO				1129130000	RSM-16 PLC SW 1CO Z	A.76
		2 lines			24 V DC	1CO				9445100000	RSM-16 C 1CO S	A.77
		2 lines			24 V DC	1CO				9447100000	RSM-16 C 1CO Z	A.77
		1 line			24 V DC	1CO				9444610000	RSM-16 24V(-/+) 1CO S	A.78
		1 line			24 V DC	1CO				9444660000	RSM-16 24V(-/+) 1CO Z	A.78
		1 line			24 V DC	2CO				9445160000	RSM-16 2CO S	A.79
		1 line			24 V DC	2CO				9447160000	RSM-16 2CO Z	A.79
		1 line			24 V DC	1CO				9445120000	RSM-16 FUS 1CO S	A.80
		1 line			24 V DC	1CO				9447120000	RSM-16 FUS 1CO Z	A.80
		1 line			24 V DC	1CO				9445140000	RSM-16 FOR 1CO S	A.81

Note 1:

Design:

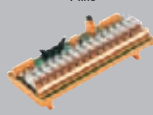


1 line

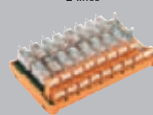
2 lines



Relays with 6 mm relay



RCL Relays arranged in 1 single line



RCL relays (arranged in 2 rows)

Note 2:

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

RSM - Interfaces
for 8 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-8 PLC C 1CO

6 mm relay with 1 CO contact and switch



Technical data

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

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

Ordering data

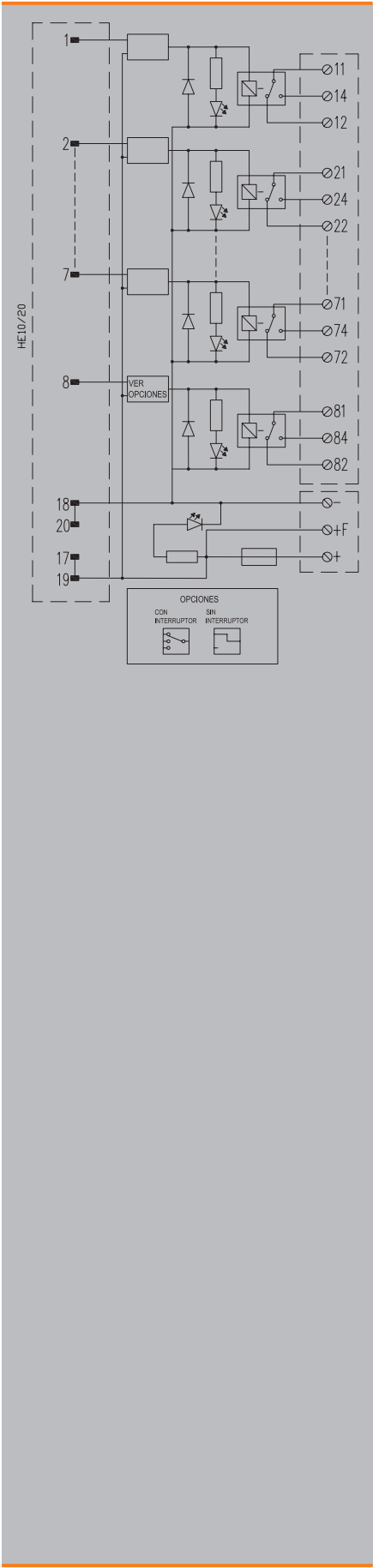
	Screw connection without switch
	Screw connection with switch
	Tension-clamp connection without switch
	Tension-clamp connection with switch
Note	

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

Accessories

Note

Relay 4060120000 RSS 24 V DC 1CO



RSM - isolated interfaces for digital output signals

RSM - Interfaces for 8 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-8 C 1C

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



Technical data

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

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

Ordering data

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

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

Accessories

Note

Relay 8693260000 RCL314024 24 V DC 1CO
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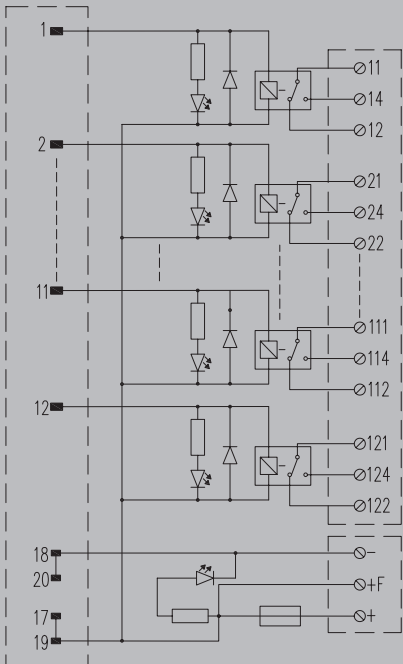
RSM - Interfaces
for 12 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-12 PLC 1C

6 mm relay with 1 C0 contact



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
Relay type	
LED status display per relay	
LED status of the supply voltage	
Fuse per relay	
Power supply fuse	
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	13 mA
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	2 A
Nominal output data	
Contact material	AgNi 90/10
Operating voltage	250 V AC
Max. AC continuous current	2.5 A
Minimum contact current	0.1 A
Minimum contact voltage	5 V
Mechanical service life	5 x 10 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	
Clamping range, min. /max. [Field]	0.13 mm ² / 6 mm ²
Clamping range, min. /max. [supply]	0.13 mm ² / 6 mm ²
Mounting rail	TS 32, TS 35
Length x width	95 mm / 109 mm
Note	

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

Ordering data

Screw connection without switch

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

Note

Accessories

Note

Relay 4060120000 RSS 24 V DC 1C0

RSM - isolated interfaces for digital output signals

RSM - Interfaces
for 12 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-12 C 1CO S

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



Technical data

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

Ordering data

	Screw connection without switch

Note

Accessories

Note

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

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

Relay 8693260000 RCL314024 24 V DC 1CO
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RSM - Interfaces
for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

Technical data

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

Ordering data

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

Accessories

Note

RSM-16 PLC C 1C0

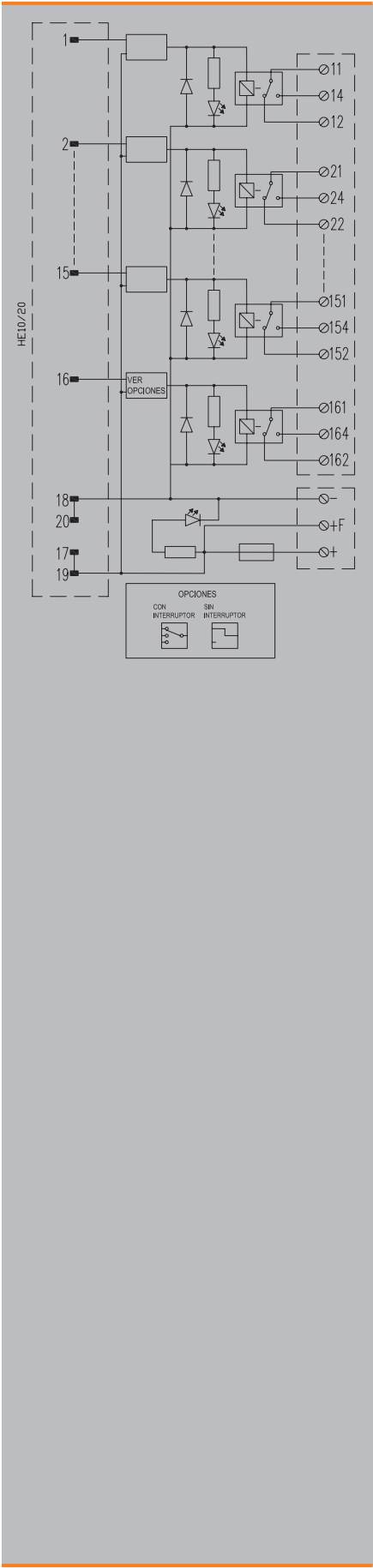
6 mm relay with 1 C0 contact and switch



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

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

Relay 4060120000 RSS 24 V DC 1C0



RSM - isolated interfaces for digital output signals

RSM - Interfaces for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-16 PLC 1CO

6 mm relay with 1 CO contact and switch



Technical data

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

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

Ordering data

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

Accessories

Note

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

Relay 8693260000 RCL314024 24 V DC 1CO
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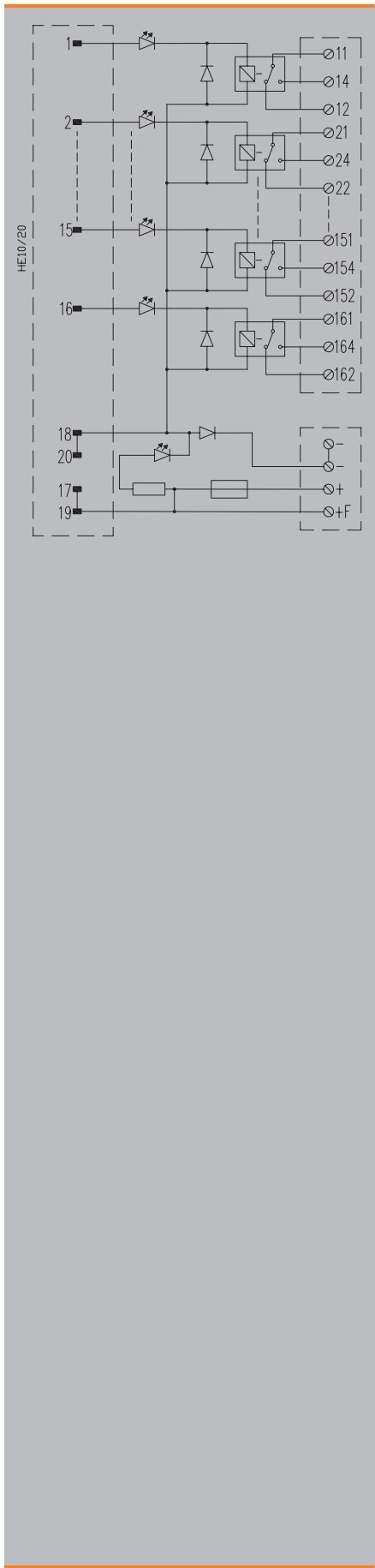
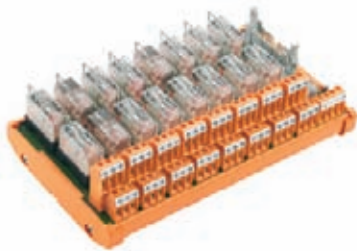
RSM - Interfaces
for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-16 C 1CO

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



Technical data

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

Plug-in connector acc. IEC 603-1 / DIN 41651	
20-pole plug	
RCL	
green	
yellow	
No	
3.15 A	
24 V DC ± 10%	
20 mA	
24 V DC ± 10%	
2 A	
AgNi 90/10	
250 V AC	
5 A	
0.01 A	
12 V	
3 x 10 ⁷ switching cycles	
-25...+40°C	
-40...+60 °C	
CE; GOSTME25	
< 50 V AC	
< 250 V AC	
III	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.15 mm ² / 1.5 mm ²
0.13 mm ² / 6 mm ²	0.15 mm ² / 1.5 mm ²
TS 35, TS 32	TS 35, TS 32
185 mm / 109 mm	185 mm / 109 mm

Ordering data

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

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

Accessories

Note

Relay 8693260000 RCL314024 24 V DC 1CO
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RSM - isolated interfaces for digital output signals

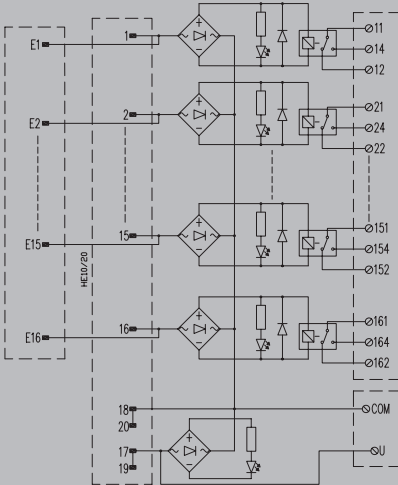
RSM - Interfaces for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

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

RCL relays, 24 V DC voltage with 1 C0 contact



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
Relay type	
LED status display per relay	
LED status of the supply voltage	
Fuse per relay	
Power supply fuse	
Nominal input data	
Input voltage	24 V DC $\pm$ 10%
Input current	22 mA
Operating voltage (supply)	24 V DC $\pm$ 10%
Operating current (supply)	2 A
Nominal output data	
Contact material	AgNi 90/10
Operating voltage	250 V AC
Max. AC continuous current	5 A
Minimum contact current	0.01 A
Minimum contact voltage	12 V
Mechanical service life	3 x 10 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	
Clamping range, min. /max. [Field]	0.13 mm ² / 6 mm ²
Clamping range, min. /max. [supply]	0.13 mm ² / 6 mm ²
Mounting rail	TS 35, TS 32
Length x width	267 mm / 87.5 mm
Note	

Plug-in connector acc. IEC 603-1 / DIN 41651	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
22 mA	
24 V DC ± 10%	
2 A	
AgNi 90/10	
250 V AC	
5 A	
0.01 A	
12 V	
3 x 10 ⁷ switching cycles	
-25...+40°C	
-40...+60 °C	
CE; GOSTME25	
< 50 V AC	
< 250 V AC	
III	
II	
2	
6 kV	
2.5 kVAC	
≥ 5.5 mm	
Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.15 mm ² / 1.5 mm ²
0.13 mm ² / 6 mm ²	0.15 mm ² / 1.5 mm ²
TS 35, TS 32	TS 35, TS 32
267 mm / 87.5 mm	267 mm / 87.5 mm

Ordering data

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

Type	Height	Order No.
RSM-16 24V(-/+) 1C0 S	68 mm	9444610000
RSM-16 24V(-/+) 1C0 Z	68 mm	9444660000
Note		

Accessories

Note

Relay 8693260000 RCL314024 24 V DC 1C0
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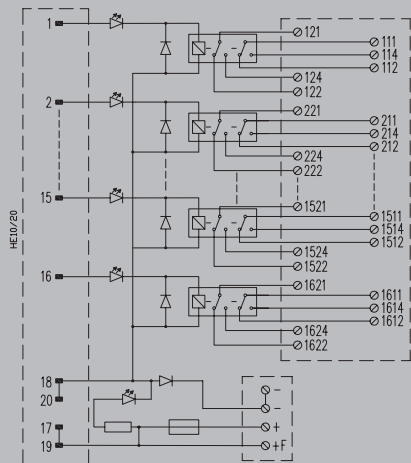
RSM - Interfaces
for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-16 2CO

RCL relays with 2 CO contacts



Technical data

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

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

Ordering data

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

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

Accessories

Note

Relay 4058570000 RCL424024 2CO

RSM - isolated interfaces for digital output signals

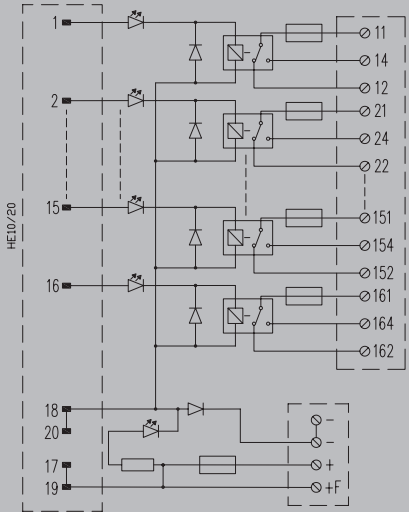
RSM - Interfaces for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-16 FUS 1C0

RCL relays, 1 C0 contact with fuse relay contact



Technical data

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

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

Ordering data

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

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

Accessories

Note

Relay 8693260000 RCL314024 24 V DC 1C0
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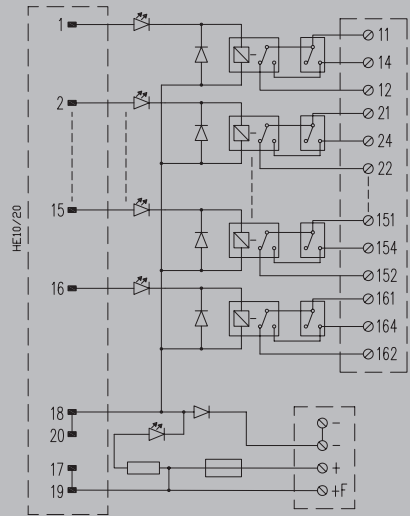
RSM - Interfaces for 16 isolated digital output signals

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

- Input/output reinforced insulation (basic between contacts)

RSM-16 FOR 1CO

RCL relays, 1 CO contact and switch



Technical data

Connection data and functionality

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

Nominal input data

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

Nominal output data

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

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Dimensions

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

Note

Plug-in connector acc. IEC 603-1 / DIN 41651
20-pole plug
RCL
green
yellow
No
3.15 A

24 V DC $\pm$ 10%
17 mA
24 V DC $\pm$ 10%
2 A

AgNi 90/10
250 V AC
2 A
0.01 A
12 V
3 x 10⁷ switching cycles

-25...+40°C
-40...+60 °C
CE, GOSTME25

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

Screw connection

0.13 mm² / 6 mm²
0.13 mm² / 6 mm²
TS 35, TS 32
263 mm / 109 mm

Ordering data

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

Note

Accessories

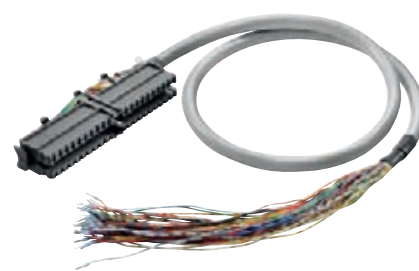
Note

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

Relay 8693260000 RCL314024 24 V DC 1CO

PAC-UNIV Universal pre-assembled cables

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



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	Cables	Unit/ card
Siemens S7-300		
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
6ES7322-1BL00-0AA0	7789608xxx	1
6ES7322-1BP00-0AA0	7789790xxx	2
6ES7322-1BP50-0AA0	7789790xxx	2
6ES7322-1CF00-0AA0	7789606xxx	1
6ES7322-1CF80-0AA0	7789606xxx	1
6ES7322-1EH00-0AA0	7789606xxx	1
6ES7322-1EH01-0AA0	7789606xxx	1
6ES7322-1EL00-0AA0	7789606xxx	2
6ES7322-1FF00-0AA0	7789606xxx	1
6ES7322-1FF01-0AA0	7789606xxx	1
6ES7322-1FF81-0AA0	7789606xxx	1
6ES7322-1FH00-0AA0	7789606xxx	1
6ES7322-1FL00-0AA0	7789606xxx	2

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

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

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

Input/Output cards	Cables	Unit/ card
Omron CJ1W		
ID231	7789790xxx	1
ID232	7789790xxx	1
ID261	7789790xxx	2
ID262	7789790xxx	2
OD231	7789790xxx	1
OD232	7789790xxx	1
OD233	7789790xxx	1
OD261	7789790xxx	2
OD262	7789790xxx	2
OD263	7789790xxx	2

Input/Output cards	Cables	Unit/ card
Mitsubishi Melsec Q		
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

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

Field Terminal Assembly (FTA)

New interfaces for the Honeywell Experion® PKS C300 controller

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

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

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

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

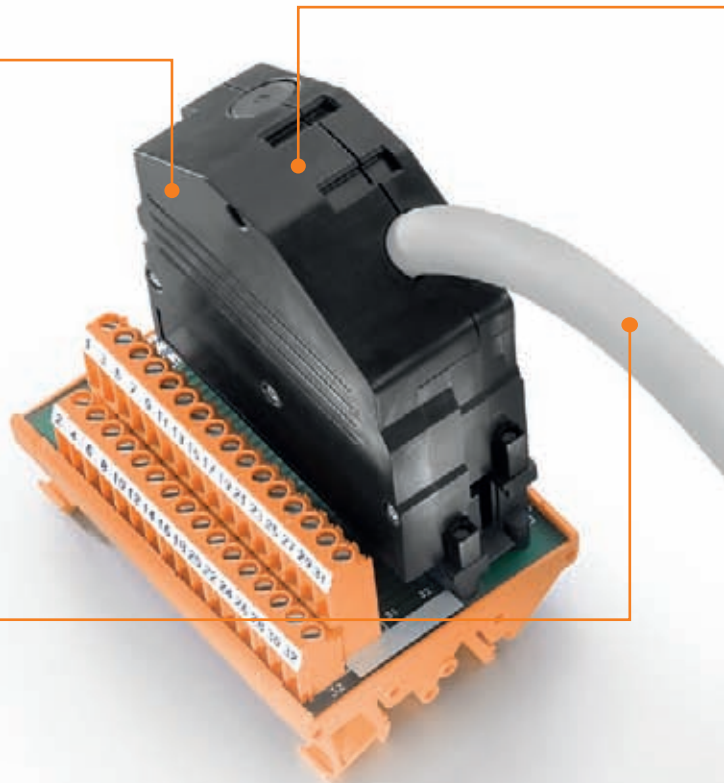
Minimised wiring effort

Pluggable connectors and cables minimise the on site wiring effort.



A quicker and easier connection

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



High current switching capability

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

**Clear identification**

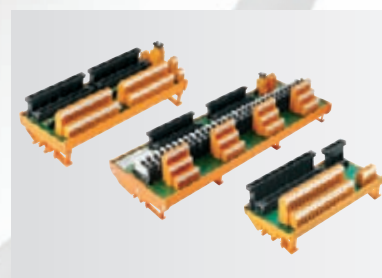
The IOTA and FTA are delivered with the same Weidmüller connectors and the same orientation.

**Excellent flexibility**

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

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

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



Honeywell C300 – Selection guide

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

STEP 1: Choose the IOTA to be used.

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

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

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

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

Interface: 1221550000 (1 unit)

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

Interface: 1222980000 (2 units)

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

STEP 1		STEP 2		STEP 3									
Honeywell IOTA		Pre-assembled cables		FTA (Weidmüller Interfaces)									
Kind of Card	Card	Cable Type	Units / IOTA	Channels	Connection	1 LED per channel	Disconnect + Test points	Fuse per channel	External power supply connector	Isolation	Units / IOTA	Order No.	Type
32 DI	CC-TDIL01 CC-TDIL11	C300-32B-320B	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S
									Yes		1	1222940000	FTA-C300-32DILD-S
									Yes		1	1221560000	FTA-C300-32DIOHV-Z
									Yes		1	1222950000	FTA-C300-32DILD-Z
				16					No		2	1222980000	FTA-C300-16AO-SH-S
									No		2	1247140000	FTA-C300-16AI-TEST-S
									No		2	1222990000	FTA-C300-16AO-SH-Z
									No		2	1247150000	FTA-C300-16AI-TEST-Z
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
32 DI 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
									No		2	1222980000	FTA-C300-16AO-SH-S
									No		2	1222990000	FTA-C300-16AO-SH-Z
				16					No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
									No		2	1223010000	FTA-C300-16AO-SHP
32 DO	CC-TDOB01 CC-TDOB11	C300-32B-320B	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S
									Yes		1	1221590000	FTA-C300-32DILD-S
									Yes		1	1246910000	FTA-C300-32DO-FUSE-S
									Yes	Relay 6A	1	1221570000	FTA-C300-32DO-SLIM-S
									Yes		1	1221560000	FTA-C300-32DIOHV-Z
									Yes		1	1221600000	FTA-C300-32DILD-Z
				16					Yes	Relay 6A	1	1246920000	FTA-C300-32DO-FUSE-Z
									No		2	1222980000	FTA-C300-16IO-SH-S
									No		2	1223020000	FTA-C300-16AO-TEST-S
									No		2	1222990000	FTA-C300-16AO-SH-Z
16 AO	CC-TAOX01 CC-TAOX11	C300-32B-320B	1	16					No		1	1223030000	FTA-C300-16AO-TEST-Z
									No		1	1223030000	FTA-C300-16AO-TEST-Z
									No		1	1223030000	FTA-C300-16AO-TEST-Z
									No		1	1223010000	FTA-C300-16AO-SHP
									No		1	1223010000	FTA-C300-16AO-SHP
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

Honeywell C300 - FTA C300

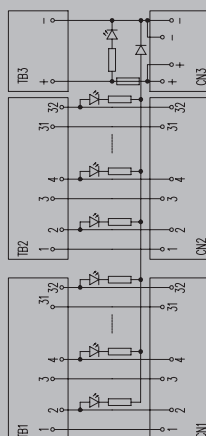
Input/output passive interface for digital cards

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

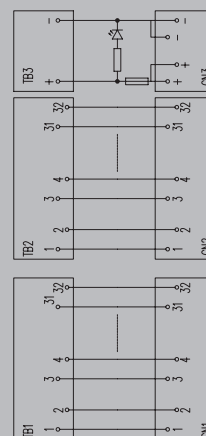
- Clearly labelled: Same connector and position on the FTA and on the IOTA
- LED and fuse protection per channel (optional)
- Possibility of feeding the IOTA from the FTA (fuse protected)
- Screw or tension clamp connection

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
LED status display per channel
LED status of the supply voltage
Fuse per channel
Power supply fuse
Type of test point

Rated data

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

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Dimensions

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

Note

Ordering data

Screw connection
Tension clamp connection

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
216 mm / 87 mm	216 mm / 87 mm

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

Note

Accessories

Note 5x20 mm 0.63 A fuse 0439000000

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
216 mm / 87 mm	216 mm / 87 mm

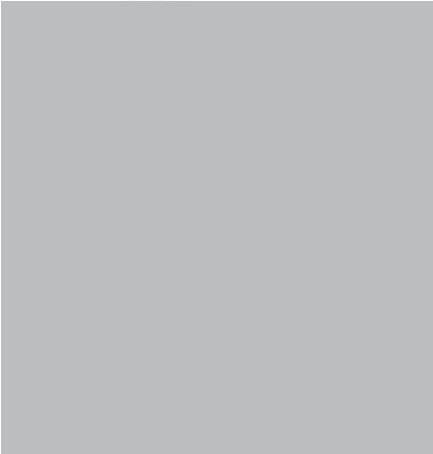
For digital outputs, replace the fuse as required (max. 5 A). TB3 can only be used for 24 V DC.

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

5x20 mm 0.63 A fuse 0439000000: 5x20 mm 5 A fuse 0431300000

FTA-C300-32DO-LD

For: CC-TD0B01, CC-TD0B11



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

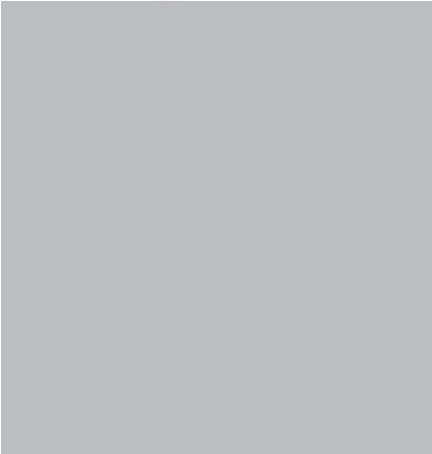
Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
216 mm / 87 mm	216 mm / 87 mm

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

5x20 mm 5 A fuse 0431300000

FTA-C300-32DO-FUSE

For: CC-TD0B01, CC-TD0B11

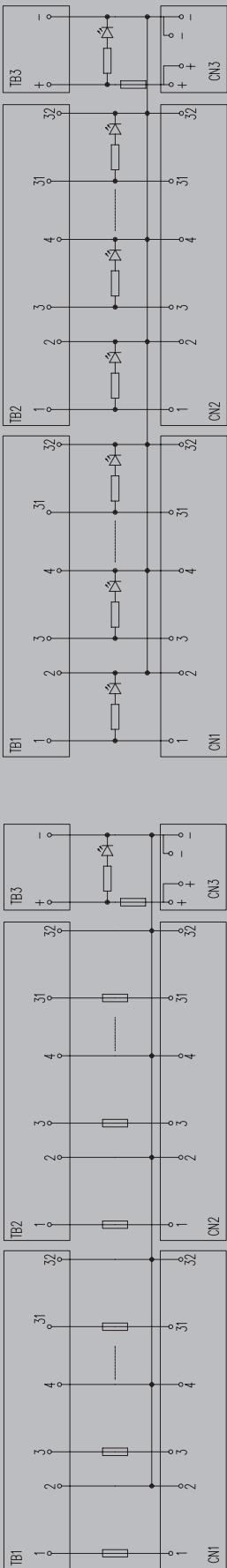


SLDV-THR 5.08
No
yellow
500 mA
5 A
No
24 V DC $\pm$ 10%
1 A
24 V DC $\pm$ 10%
-25...+50°C
-40...+60 °C
CE
< 50 V AC
III
2
0.35 kVAC
0.8 kV

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 35 x 15	TS 35 x 15
217 mm / 133 mm	217 mm / 133 mm

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

5x20 mm 5 A fuse 0431300000



Honeywell C300 - FTA C300 Input/output passive interface

Honeywell C300 - FTA C300

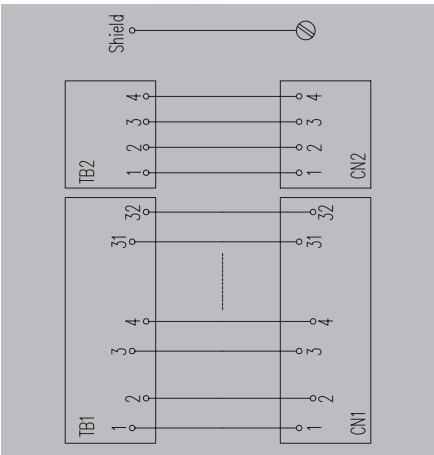
Input/output passive interface for analogue and digital cards

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

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

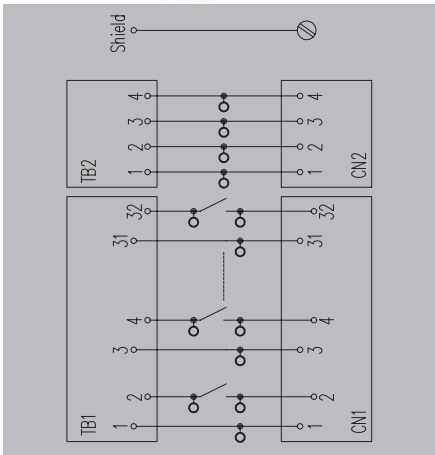
FTA-C300-16AI-SH

For: CC-TAIX01, CC-TAIX11



FTA-C300-16AI-TEST

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



Technical data

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

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

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

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

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 35, TS 32	TS 35, TS 32
135 mm / 70 mm	135 mm / 70 mm

Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 35 x 15	TS 35 x 15
141 mm / 133 mm	141 mm / 133 mm

Ordering data

Screw connection
Tension clamp connection
Plug-in connection

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

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

Note

Accessories

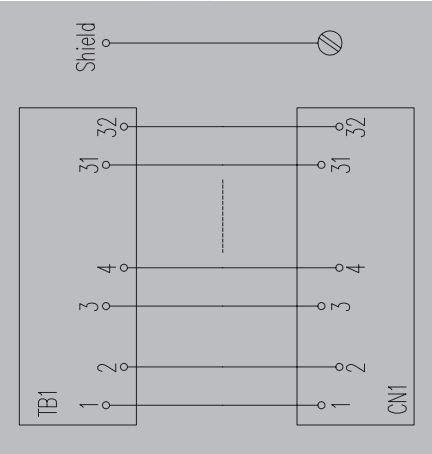
Note

Note

Test plug PS 2.0 MC 0310000000

FTA-C300-16AO-SH

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



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

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

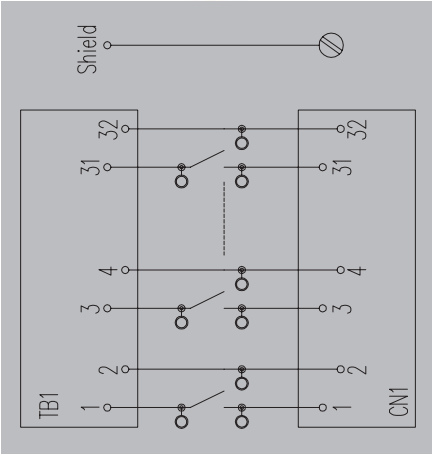
Type	Height	Order No.
FTA-C300-16AO-SH-S	56 mm	1222980000
FTA-C300-16AO-SH-Z	56 mm	1222990000
FTA-C300-16AO-SH-P	56 mm	1223010000

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FTA-C300-16AO-TEST

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



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

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

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

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Test plug PS 2.0 MC 0310000000

Honeywell C300 - FTA C300 Isolated interface per relay

Honeywell C300 - FTA C300

Isolated output interface for digital cards

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

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

FTA-C300-32DO-RSLIM

For: CC-TD0B01, TD0B11



Technical data

Connection data and functionality

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

Nominal supply data

Input voltage
Input current
Operating voltage (supply)

Nominal output data

Contact material
Operating voltage
Max. AC continuous current

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

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

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

AgNi 90/10
250 V
4 A

-25...+50°C
-40...+60 °C
CE

< 50 V AC
< 250 V AC
III
II
2
6 kV
1.2 kVAC
 ≥ 5.5 mm

Dimensions

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

Note

Screw connection

0.13 mm² / 6 mm²
0.13 mm² / 6 mm²
TS 35 x 15
368 mm / 133 mm

Tension clamp connection

0.13 mm² / 2.5 mm²
0.13 mm² / 2.5 mm²
TS 35 x 15
368 mm / 133 mm

Ordering data

Screw connection
Tension clamp connection

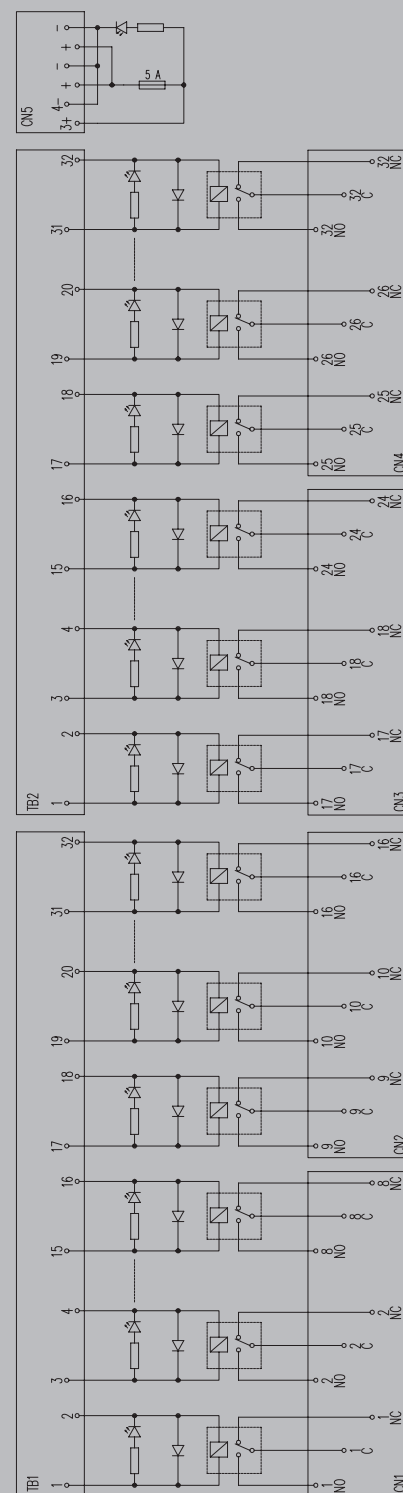
Type	Height	Order No.
FTA-C300-32DO-RSLIM-S	95 mm	1221570000
FTA-C300-32DO-RSLIM-Z	95 mm	1221580000

Note

Accessories

Note

5x20 mm 5 A fuse 0431300000



Honeywell C300 - Interconnection cables

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

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

C300-32

Premium Range



C300-32

Basic Range



Technical data

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

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

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

Note

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

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

Ordering data

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

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

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

Note

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

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

Accessories

Note

PLC Front Adapter (FAD)

New Front Adapters for different PLC Cards.

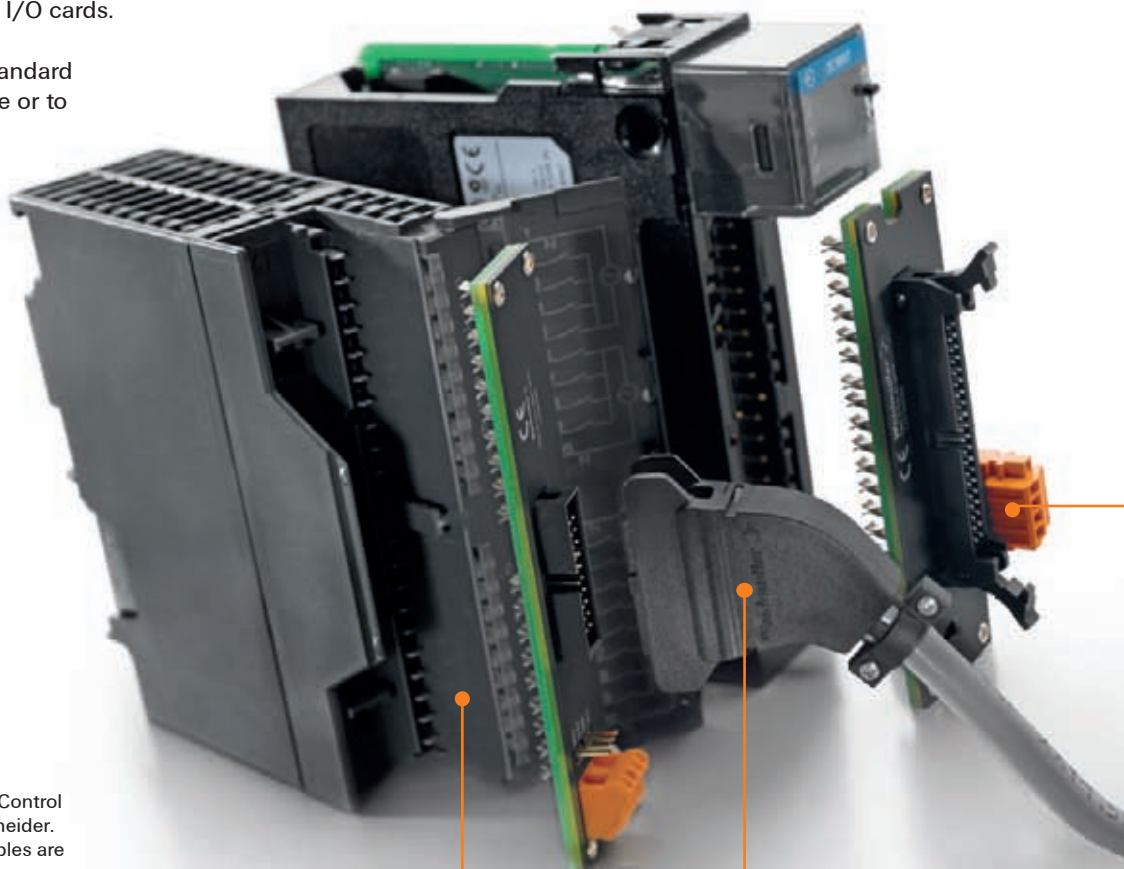
Easy and fast field wiring on PLC I/O cards with new front adapters.

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

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

Large Range

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



Simple and Safe

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



High Flexibility

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

**Time-saving**

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



FAD – Selection guide

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

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

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

Selection table:

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

Table 1: Universal FAD

STEP 1: 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	Type	Order No.	
		Screw	Tension clamp		
RSF 20 GROUP				RS F20 Z	8537110000
				RS F20 LP2N 5/20	0224261001
RSF 40 GROUP				RS F40 Z	8537140000
				RS F40 LP2N 5/40	0224461001
RSSD 25 GROUP				RS SD25 SZ	8537370000
				RS SD25S UNC 4.40 LP2N	8005181001
RSSD 50 GROUP				RS SD50 SZ	8537350000
				RS SD50S UNC 4.40 LP2N	8005161001

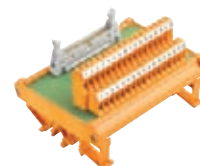


Table 2: Specific FAD

STEP 1: 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	INTERFACE	1127850000 FAD S7/300 HE20 16 DIO	7789806LLL	H2016 GROUP	
	6ES7 321-1BH81-0AA0	MICROSERIES	1127850000 FAD S7/300 HE20 16 DIO	7789810LLL		MICRO 16I GROUP
	6ES7 321-1BH50-0AA0					
	6ES7 321-7RD00-0AB0					
	6ES7 321-1BL00-0AA0	INTERFACE	1127890000 FAD S7/300 HE40 32DIO	7789808LLL	RS32 GROUP	
	6ES7 321-1BL80-0AA0	MICROSERIES	1127880000 FAD S7/300 2XHE20 32DIO	7789810LLL (2 units)		MICRO 32I GROUP
	6ES7 322-1BH01-0AA0	INTERFACE	1127850000 FAD S7/300 HE20 16 DIO	7789806LLL	H2016 GROUP	O2016 GROUP
	6ES7 322-1BH81-0AA0	MICROSERIES	1127850000 FAD S7/300 HE20 16 DIO	7789810LLL		MICRO 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	INTERFACE	1127910000 FAD CTLX HE20 16DI	7789806LLL	H2016 GROUP	
	1756-IC16	MICROSERIES	1127910000 FAD CTLX HE20 16DI	7789810LLL		MICRO 16I GROUP
	1756-IN16					
	1756-IB32	INTERFACE	1127940000 FAD CTLX HE40 32DI	7789808LLL	RS32 GROUP	RSM-32 GROUP
		MICROSERIES	1127930000 FAD CTLX 2XHE20 32DI	7789810LLL (2 units)		MICRO 32I GROUP
	1756-OB16E	INTERFACE	1127950000 FAD CTLX HE20 16DO	7789806LLL	H2016 GROUP	O2016 GROUP
	1756-OV16E	MICROSERIES	1127950000 FAD CTLX HE20 16DO	7789810LLL		MICRO 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.

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

STEP 5: Interface selection

H2016 GROUP

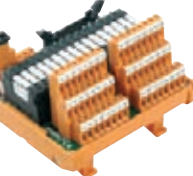
Type		Connection		LED	Disconnectable	Fuse	Interfaces		
Family	Type of wiring	Screw	Tension clamp connection	by channel			Order No.	Type	Page
H2016	1-wire						9445700000	RS 16IO 1W H S	A.43
							9445710000	RS 16IO 1W L H S	A.43
							1311750000	RS 16IO 1W H Z	A.43
							1311770000	RS 16IO 1W L H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

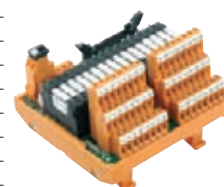
Versions with LED only for cards with nominal voltage of 24 V DC



O2016 GROUP

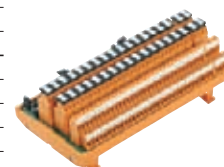
Type of Interface		Features								Interfaces		
Number of channels	Family	Design	Connection		Voltage	Type of contact	Fuse	Switch (coil)	Switch (contact)	Order No.	Type	Page
			Screw	Tension clamp connection								
16-channel	02016				24 V DC	1CO				1129010000	RSM-16 PLC C 1CO S	A.75
					24 V DC	1CO				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	1CO				9445160000	RSM-16 2CO S	A.79
		1 line			24 V DC	1CO				9447160000	RSM-16 2CO Z	A.79
		1 line			24 V DC	1CO				9445120000	RSM-16 FUS 1CO S	A.80
		1 line			24 V DC	1CO				9447120000	RSM-16 FUS 1CO Z	A.80
						24 V DC	1CO				9445140000	RSM-16 FOR 1CO S





RS32 GROUP

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



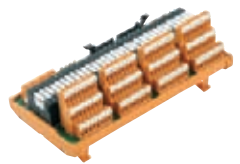
FAD – Selection guide

STEP 5: Interface selection

RSM-32 GROUP

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

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



MICROSERIES GROUP

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



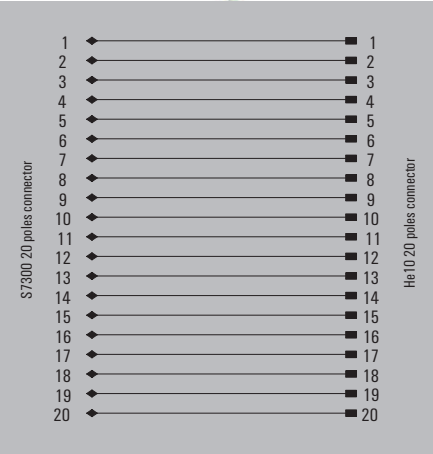
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters for Siemens S7-300

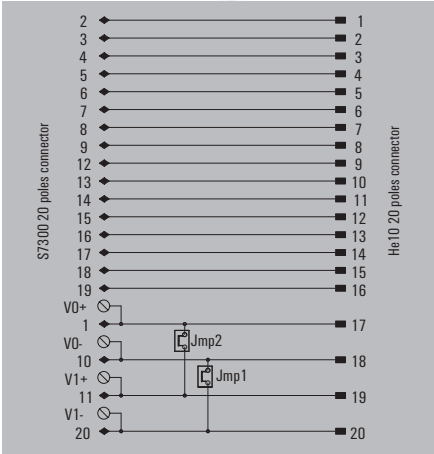
Front adapters for Siemens S7-300 cards with 20 and 40 poles.

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

FAD S7/300 HE20 UNIV



FAD S7/300 HE20 16 DIO



Technical data

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

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

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

Dimensions
Length x width

124 mm / 23 mm

124 mm / 23 mm

Note

Note

Note

Ordering data

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

Type	Order No.
FAD S7/300 HE20 UNIV	1127840000

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

Note

Note

Note

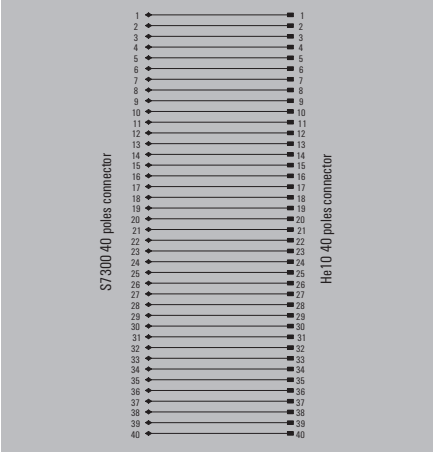
Accessories

Note

Note

Note

FAD S7/300 HE40 UNIV

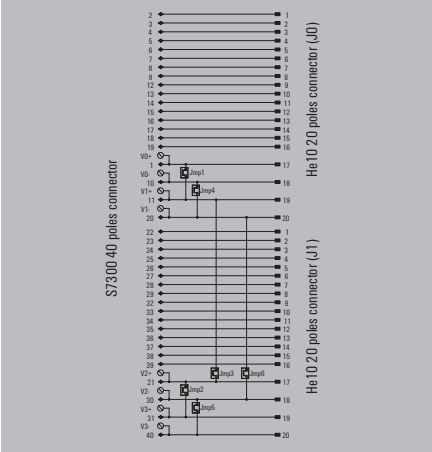


Siemens S7-300 card with 40-pole connector and operating voltage ≤ 30 V AC / 60 V DC	
Plug-in connectors according to IEC 603-1 / DIN 41651 40p	
30 V AC / 60 V DC	
1 A	
40 A	
-25...+50°C	
-40...+60 °C	
CE	
< 50 V AC	
III	
2	
0.35 kVAC	

115 mm / 21.5 mm

Type	Order No.
FAD S7/300 HE40 UNIV	1127870000

FAD S7/300 2XHE20 32DIO

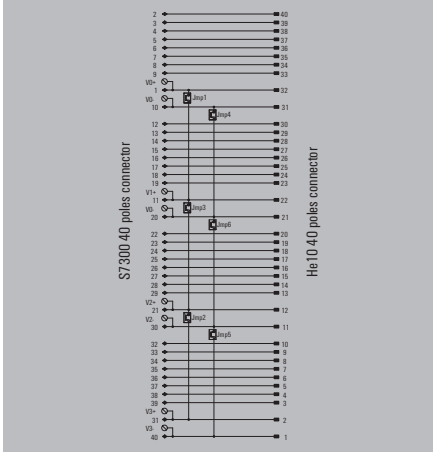


6ES7 321-1BL00-0AA0, 6ES7 321-1BL80-0AB0, 6ES7 322-1BL00-0AA0	
2 x plug-in connectors according to IEC 603-1 / DIN 41651 20p	
30 V AC / 60 V DC	
1 A	
2 A	
-25...+50°C	
-40...+60 °C	
CE	
< 50 V AC	
III	
2	
0.35 kVAC	

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

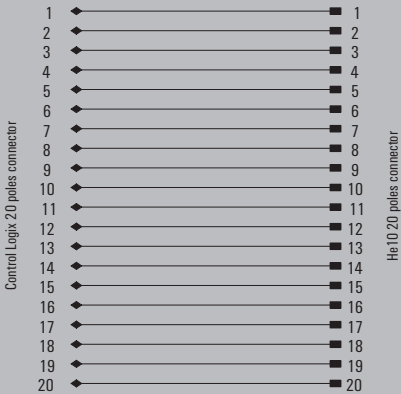
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters
for Rockwell Control-Logix

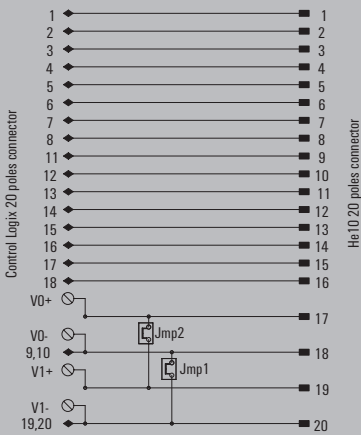
Front adapters for Rockwell Control-Logix cards with 20 and 36 poles.

- 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

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

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

1756-IB16, 1756-JC16, 1756-IN16
IEC 603-1 / DIN 41651 20p
30 V AC / 60 V DC
1 A
2 A
-25...+50°C
-40...+60 °C
CE
< 50 V AC
III
2
0.35 kVAC

Dimensions
Length x width

34.5 mm / 110 mm

34.5 mm / 110 mm

Note

Note

Note

Ordering data

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

Type	Order No.
FAD CLTX HE20 UNIV	1127900000

Type	Order No.
FAD CLTX HE20 16DI	1127910000

Note

Note

Note

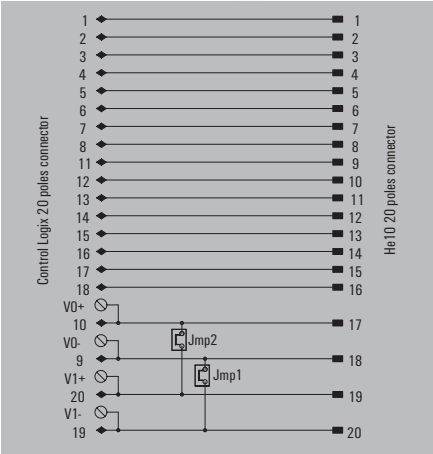
Accessories

Note

Note

Note

FAD CLTX HE20 16DO



1756-0B16E, 1756-0V16E

IEC 603-1 / DIN 41651 20p

30 V AC / 60 V DC

1 A

2 A

-25...+50°C

-40...+60 °C

CE

< 50 V AC

III

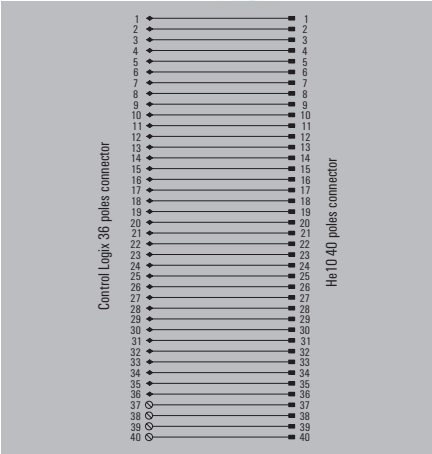
2

0.35 kVAC

34.5 mm / 110 mm

Type	Order No.
FAD CLTX HE20 16DO	1127950000

FAD CLTX HE40 UNIV



Control Logix card with 36-pole connector and operating voltage
≤ 30 V AC / 60 V DC

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

30 V AC / 60 V DC

1 A

40 A

-25...+50°C

-40...+60 °C

CE

< 50 V AC

III

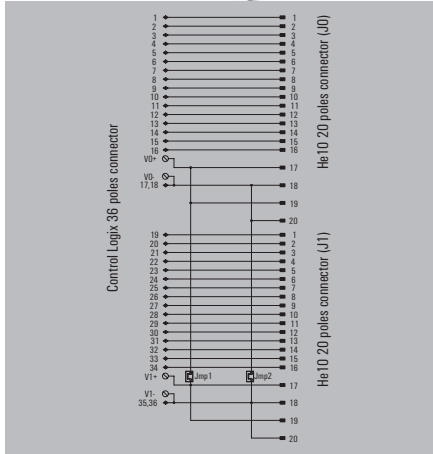
2

0.35 kVAC

34.5 mm / 110 mm

Type	Order No.
FAD CLTX HE40 UNIV	1127920000

FAD CLTX 2XHE20 32DI



1756-IB32

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

30 V AC / 60 V DC

1 A

2 A

-25...+50°C

-40...+60 °C

CE

< 50 V AC

III

2

0.35 kVAC

34.5 mm / 110 mm

Type	Order No.
FAD CLTX 2XHE20 32DI	1127930000

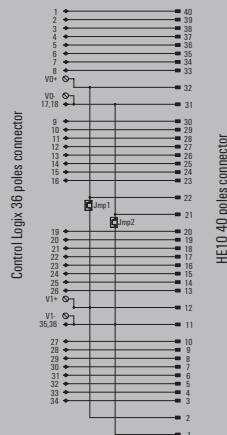
FAD - Front adapters for Siemens S7-300 and Rockwell Control-Logix

FAD - Front adapters for Rockwell Control-Logix

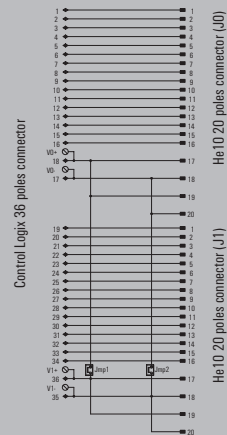
Front adapters for Rockwell Control-Logix cards with 20 and 36 poles.

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

FAD CLTX HE40 32DI



FAD CLTX 2XHE20 32DO



Technical data

Connection data

Connection to the card

1756-IB32

1756-OB32

Connection (field side)

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

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

Rated data

Operating voltage

30 V AC / 60 V DC

30 V AC / 60 V DC

Max. current per channel

1 A

1 A

Max. current per byte

2 A

2 A

Total operating current

General data

Ambient temperature (operational)

-25...+50°C

-25...+50°C

Storage temperature

-40...+60 °C

-40...+60 °C

Approvals

CE

CE

Insulation coordination (EN50178)

Rated insulation voltage

< 50 V AC

< 50 V AC

Surge voltage category

III

III

Pollution severity level

2

2

Insulation test voltage

0.35 kVAC

0.35 kVAC

Dimensions

Length x width

34.5 mm / 110 mm

34.5 mm / 110 mm

Note

Ordering data

Type	Order No.
FAD CLTX HE40 32DI	1127940000

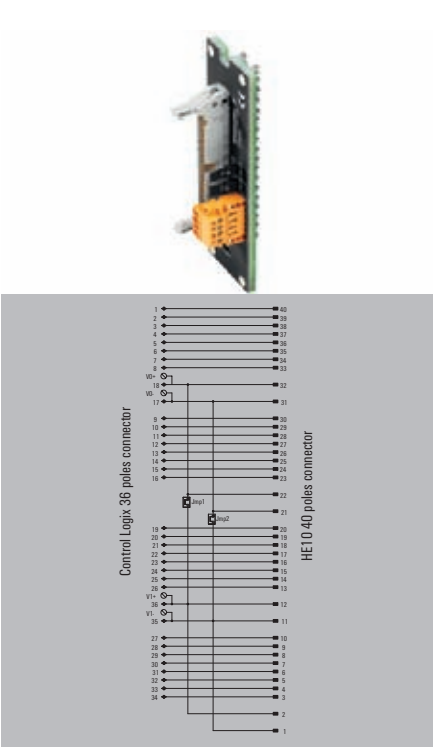
Type	Order No.
FAD CLTX 2XHE20 32DO	1127990000

Note

Accessories

Note

FAD CLTX HE40 32DO



1756-0B32

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

30 V AC / 60 V DC

1 A

2 A

-25...+50°C

-40...+60 °C

CE

< 50 V AC

III

2

0.35 kVAC

34.5 mm / 110 mm

Type	Order No.
FAD CLTX HE40 32DO	1127980000

RSF PLC - Passive interface for digital signals

RSF PLC-Passive interface

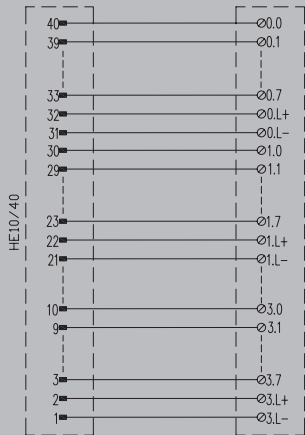
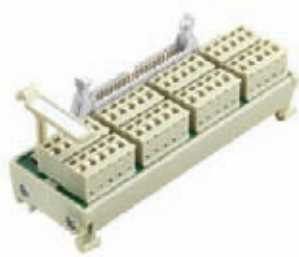
for 1 wire digital signals

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

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

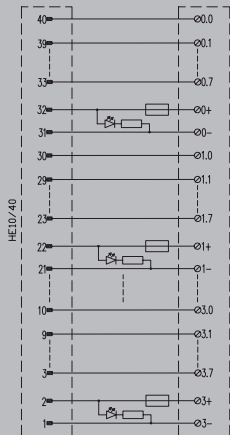
RS F40 INIT32

1 wire



RSF PLC 1W 32IO

1 wire



Technical data

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

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

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

Ordering data

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

Accessories

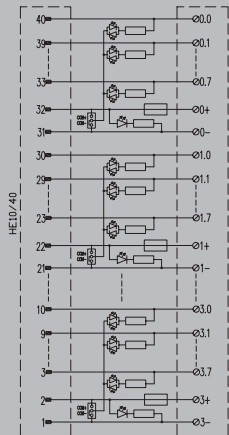
Note

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

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

RSF PLC 1W 32IO LEDS

1 wire with LED



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

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

RSF PLC - Passive interface for digital signals

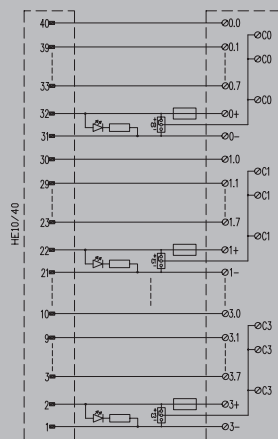
RSF PLC - Passive Interface for 2 wire digital signals

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

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

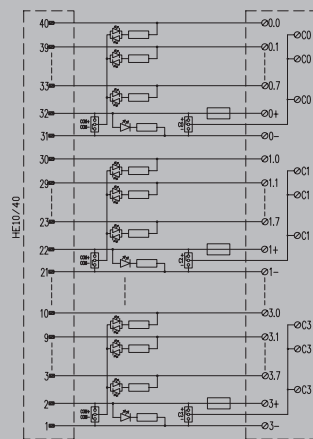
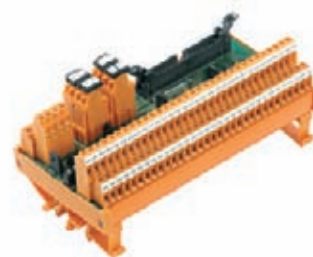
RSF PLC 2W 32IO

2 wires



RSF PLC 2W 32IO LEDS

2 wires with LED



Technical data

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

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

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

Ordering data

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

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

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

Accessories

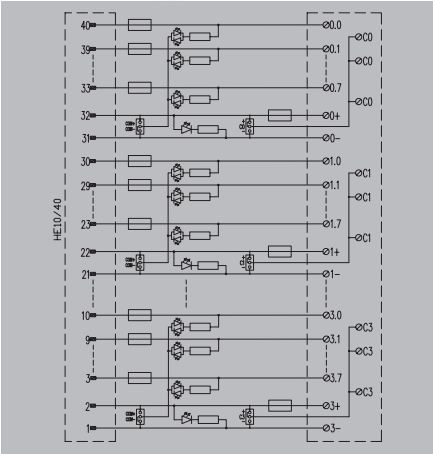
Note

Note

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 positive)	
yellow	
500 mA	
2.5 A	
24 V DC ± 10%	
1 A	
2 A	
24 V DC ± 10%	
4 A	
-25...+50°C	
-40...+60 °C	
< 50 V AC	
III	
2	
0.35 kVAC	
Screw connection	Tension clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
200 mm / 109 mm	200 mm / 109 mm
Factory setting: Common negative pole	

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

RSF PLC - Passive interface for digital signals

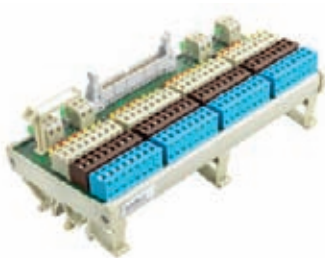
RSF PLC - Passive interface
for 3 wire digital signals

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

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

RSF F40 INIT32 LMZF

3 wires



Technical data

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

Ordering data

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

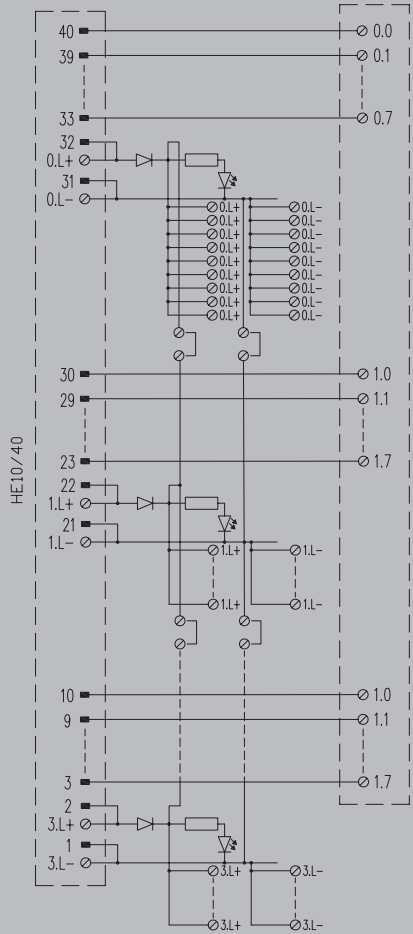
Note

Accessories

Note

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

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



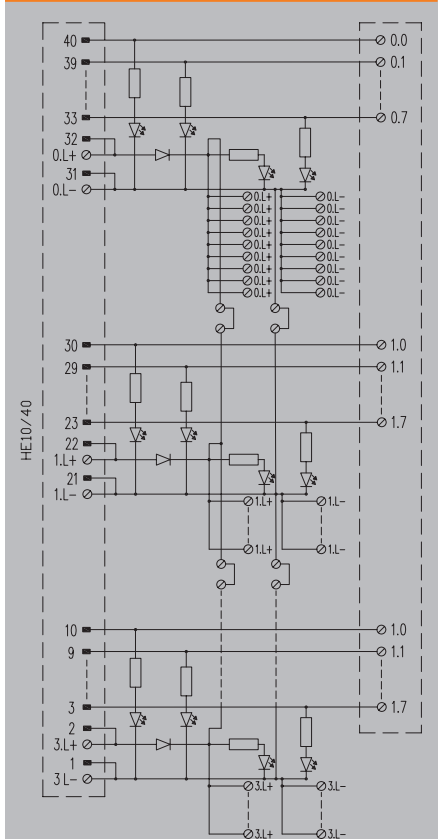
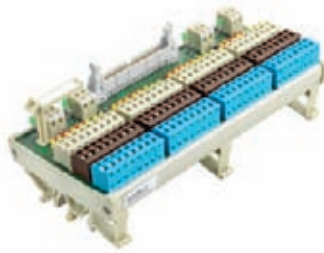
RSF PLC - Passive interface for 3 wire digital signals

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

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

RSF F40 INIT32 LD

3 wires with LED



Technical data

Connection data and functionality

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

Rated data

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

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Dimensions

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

Note

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

40-pole plug

yellow

green

No

No

24 V DC $\pm$ 10%

1 A

24 V DC $\pm$ 10%

-25...+50°C

-40...+60 °C

CE; GOSTME25

< 50 V AC

III

2

0.35 kVAC

Tension clamp connection

0.15 mm² / 1.5 mm²

0.15 mm² / 1.5 mm²

TS 32, TS 35

185 mm / 87 mm

Factory setting: Common negative pole

Ordering data

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

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

Note

Accessories

Note

RSM - Isolated interfaces for digital signals

RSM - Interfaces for 16 isolated digital signals

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

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

RSF40 16 RS OUT

RCL relay with 1 CO contact



Technical data

Connection data and functionality

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

Nominal input data

Input voltage
Input current
Operating voltage (supply)

Nominal output data

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

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Plug-in connector acc. IEC 603-1 / DIN 41651
40-pole plug
RCL314024
yellow
green
No
No

24 V DC ± 10%
30 mA
24 V DC ± 10%

AgNi 90/10
250 V AC
6 A
0.01 A
12 V
3 x 10⁷ switching cycles

0...+55°C
-40...+70 °C
CE; GOSTME25

< 50 V AC
< 250 V AC
III
2
6 kV
4.4 kVAC
≥ 5.5 mm

Dimensions

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

Note

Screw connection

0.13 mm² / 6 mm²
0.13 mm² / 6 mm²
TS 32, TS 35
350 mm / 87 mm

Expansion module: 8224191001 (20 pole cable included)

Ordering data

Screw connection without switch

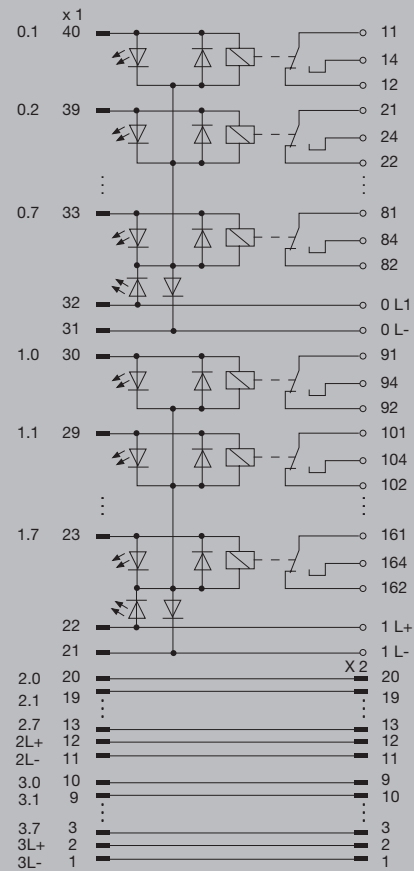
Note

Accessories

Note

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

8693260000 RCL314024 24 V DC 1CO



RSM - Interfaces

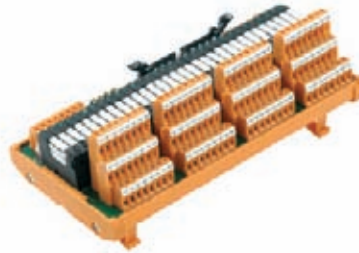
for 32 isolated digital signals

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

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

RSM-32 PLC C 1C0

6 mm relay with 1 C0 contact and switch



Technical data

Connection data and functionality

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

Nominal input data

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

Nominal output data

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

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Dimensions

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

Note

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

40-pole plug

RSS

green

yellow

No

No

24 V DC $\pm$ 10%

13 mA

24 V DC $\pm$ 10%

2 A

AgNi 90/10

250 V AC

2.5 A

0.1 A

5 V

5 x 10⁶ switching cycles

-25...+50°C

-40...+60 °C

CE

< 50 V AC

250 V AC

III

II

2

6 kV

1.2 kVAC

$\geq$ 5.5 mm

Screw connection

0.13 mm² / 6 mm²

0.13 mm² / 6 mm²

TS 32, TS 35

215 mm / 109 mm

Tension clamp connection

0.13 mm² / 2.5 mm²

0.13 mm² / 2.5 mm²

TS 32, TS 35

255 mm / 109 mm

Ordering data

Screw connection without switch

Screw connection with switch

Tension-clamp connection without switch

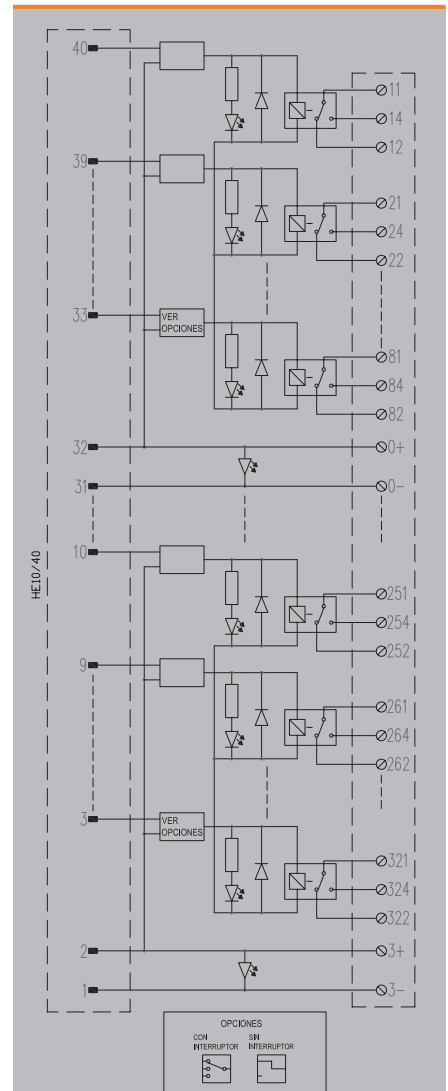
Tension-clamp connection with switch

Note

Accessories

Note

Relay 4060120000 RSS 24 V DC 1C0



RSM - Isolated interfaces for digital signals

RSM - Interfaces for 32 isolated digital signals

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

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



Technical data

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

Ordering data

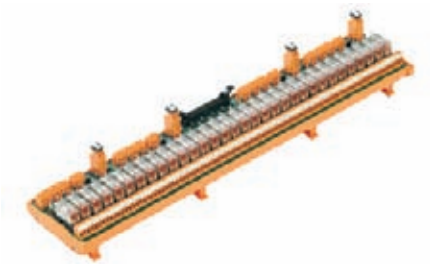
	Screw connection without switch
	Screw connection with switch
	Tension-clamp connection without switch
	Tension-clamp connection with switch
Note	

Accessories

Note

RSM-32 PLC 1CO S

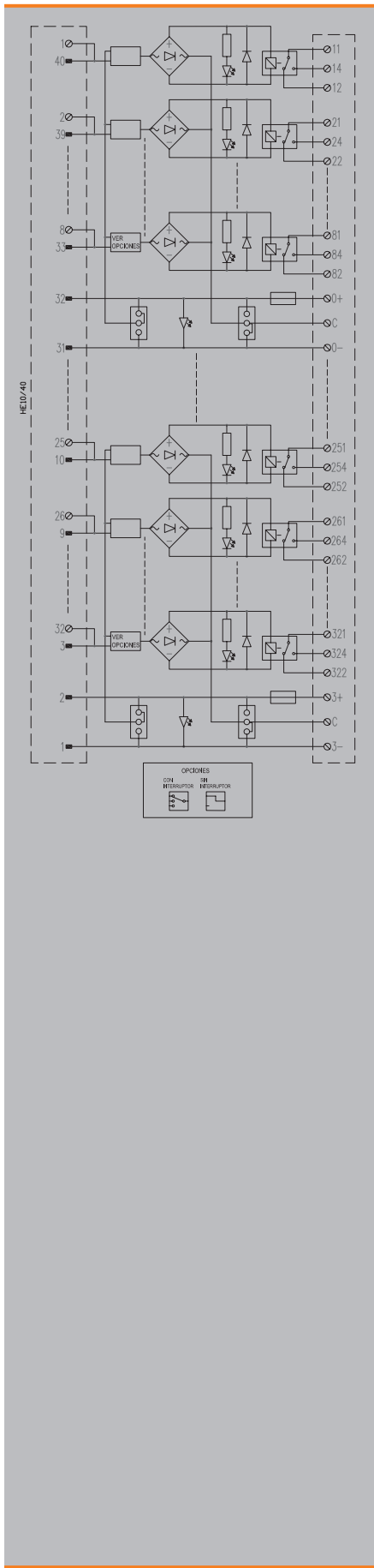
6 mm relay with 1 CO contact and switch



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

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

Relay 8693260000 RCL314024 24 V DC 1CO
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MICRO-INTERFACE: Solutions for PLC with relays and optos from the MICROSERIES family

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

B

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

MICRO-INTERFACE module for ribbon cable connection



MICRO-INTERFACE module for SUB-D connection

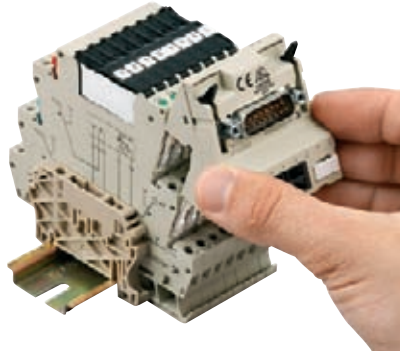


To help you to choose the right products for your application, Weidmüller offers selection tables in this catalogue that enable you to choose a set comprising pre-assembled cable + adapter + microrelay/optomodule, depending on the PLC card.

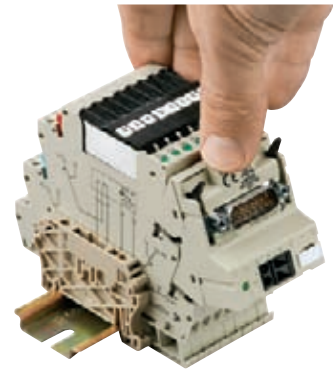
Instructions for assembling the adapter



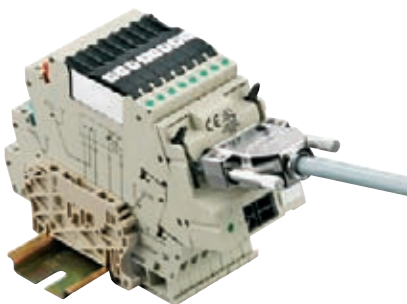
Assemble a block of 8 MICROSERIES on the rail and adjust the ends



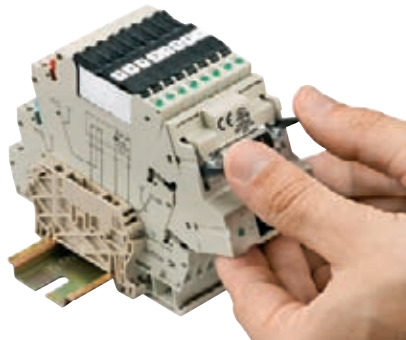
Insert the adapter onto the cross-connection rail and make sure that it is in the correct position



Press on the centre of the adapter from above



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



To remove the cable, move the two retaining clips apart

PLC GEFANUC – 90-30

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

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

PLC GEFANUC – RX3i

	PLC		Cables		Connection		MICROADAPTER					
	Input/Output cards		Standard				Adapter + relay					
							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	2	B.46	8596060000	16	B.51
							8773530000			8596080000		
	IC694MDL634	8 DI	7789687xxx	1			8773510000	1	B.46	8596060000	8	B.51
							8773530000			8596080000		
	IC693MDL645	16 DI	7789686xxx	1			8773510000	2	B.46	8596060000	16	B.51
							8773530000			8596080000		
	IC693MDL646	16 DI	7789686xxx	1			8773510000	2	B.46	8596060000	16	B.51
							8773530000			8596080000		
	IC693MDL654	32 DI	7789688xxx	2			8773510000	4	B.46	8596060000	32	B.51
							8773530000			8596080000		
IC693MDL655	32 DI	7789688xxx	2			8773510000	4	B.46	8596060000	32	B.51	
						8773530000			8596080000			
IC693MDL660	32 DI	7789693xxx	1			8773510000	4	B.46	8596060000	32	B.51	
						8773530000			8596080000			
DO	IC693MDL732	8 DO	7789692xxx	1			8773600000	1	B.47	8533640000	8	B.49
							8773620000			8533660000		
	IC693MDL740	16 DO	7789690xxx	1			8773600000	2	B.47	8533640000	16	B.49
							8773620000			8533660000		
	IC693MDL742	16 DO	7789690xxx	1			8773600000	2	B.47	8533640000	16	B.49
							8773620000			8533660000		
	IC693MDL753	32 DO	7789691xxx	2			8773600000	4	B.47	8533640000	32	B.49
							8773620000			8533660000		
	IC693MDL754	32 DO	7789694xxx	1			8773600000	4	B.47	8533640000	32	B.49
							8773620000			8533660000		
Note												

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

PLC OMRON – CJ1W

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

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

PLC ROCKWELL – COMPACT LOGIX

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

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

PLC ROCKWELL – CONTROL LOGIX

	PLC		Cables		Connection		MICROADAPTER					
	Input/Output cards		Standard				Adapter + relay					
							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	2	B.46	8596060000	16	B.51
							8773530000			8596080000		
	1756-IB16D	16 DI	7789782xxx	1			8773510000	2	B.46	8596060000	16	B.51
							8773530000			8596080000		
	1756-IB16I	16 DI	7789782xxx	1			8773510000	2	B.46	8596060000	16	B.51
							8773530000			8596080000		
	1756-IB32	32 DI	7789784xxx	1			8773510000	4	B.46	8596060000	32	B.51
							8773530000			8596080000		
DO	1756-OB16D	16 DO	7789785xxx	1			8773600000	2	B.47	8533640000	16	B.49
							8773620000			8533660000		
	1756-OB16E	16 DO	7789786xxx	1			8773600000	2	B.47	8533640000	16	B.49
							8773620000			8533660000		
	1756-OB16I	16 DO	7789787xxx	1			8773600000	2	B.47	8533640000	16	B.49
							8773620000			8533660000		
	1756-OB32	32 DO	7789766xxx	1			8773600000	4	B.47	8533640000	32	B.49
							8773620000			8533660000		
	1756-OB8	8 DO	7789788xxx	1			8773600000	1	B.47	8533640000	8	B.49
							8773620000			8533660000		
	1756-OB8EI	8 DO	7789789xxx	1			8773600000	1	B.47	8533640000	8	B.49
							8773620000			8533660000		
Note												

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

PLC SCHNEIDER – M340

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

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

PLC SCHNEIDER – PREMIUM / MICRO

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

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

PLC Siemens S7-300 / ET-200M

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

Note

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

PLC SIEMENS – S7400

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

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

MICRO-INTERFACE digital

Adaptor and solution
for MICROSERIES relays and optocouplers

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

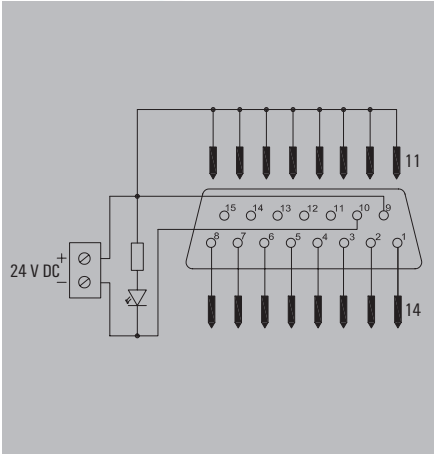
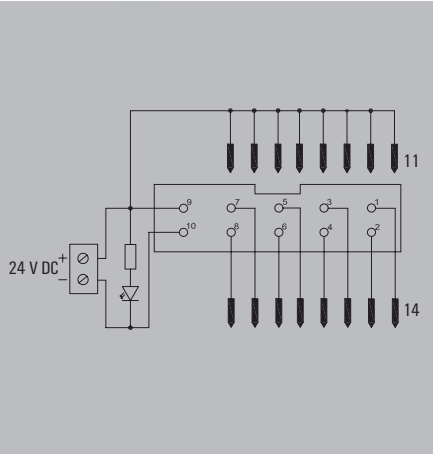
MI8DI-S F10

Input adapter with 10-pole female header



MI8DI-S SUB D15

Input adapter with 25-pole SUB-D connector



Technical data

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

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

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

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

Screw connection	Tension clamp connection
2.5 mm ² / 0.13 mm ²	2.5 mm ² / 0.13 mm ²
48 mm / 59 mm	48 mm / 59 mm

Screw connection	Tension clamp connection
2.5 mm ² / 0.13 mm ²	2.5 mm ² / 0.13 mm ²
48 mm / 59 mm	48 mm / 59 mm

Note

Note

Note

Ordering data

Screw connection
Tension clamp connection

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

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

Note

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

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

Accessories

Note

Note

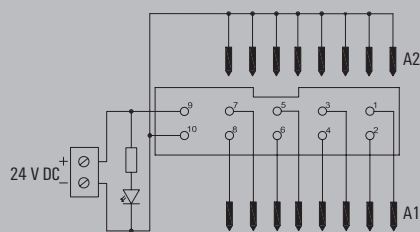
Note

Adaptor and solution for MICROSERIES relays and optocouplers

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

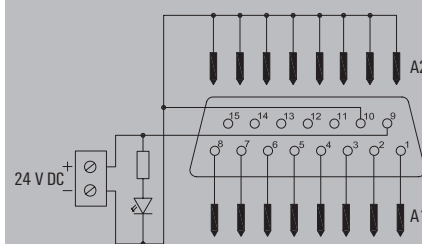
MI8DO-S F10

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

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

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

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

Screw connection	Tension clamp connection
2.5 mm ² / 0.13 mm ²	2.5 mm ² / 0.13 mm ²
48 mm / 59 mm	48 mm / 59 mm

Screw connection	Tension clamp connection
2.5 mm ² / 0.13 mm ²	2.5 mm ² / 0.13 mm ²
48 mm / 59 mm	48 mm / 59 mm

Note

Note

Note

Ordering data

Screw connection
Tension clamp connection

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

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

Note

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

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

Accessories

Note

Note

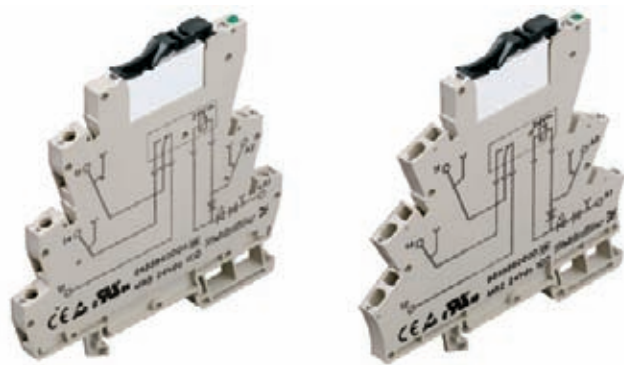
Note

MICROSERIES - Relay Couplers

1 CO contact
AC / DC / UC coil

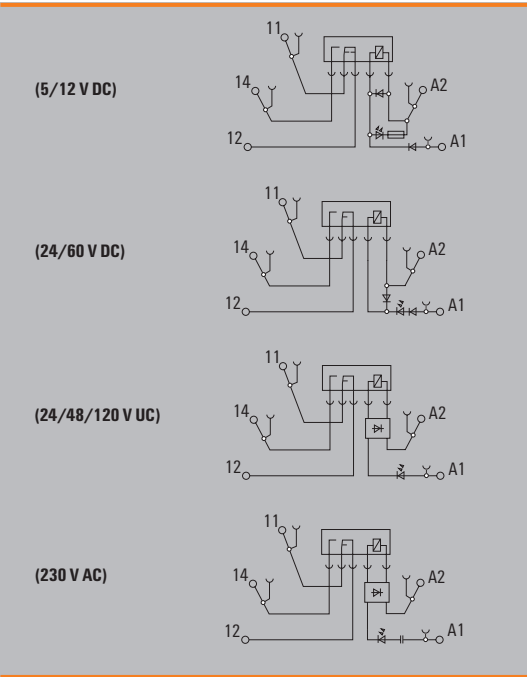
This module may be used as a universal interface between the control and actuator for connecting small and medium loads.

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



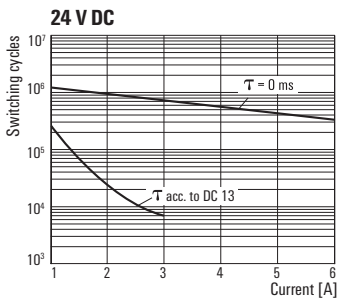
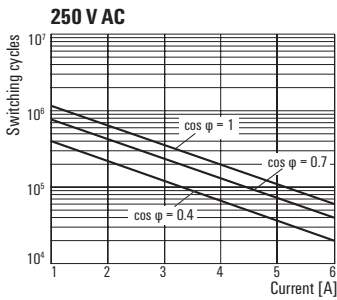
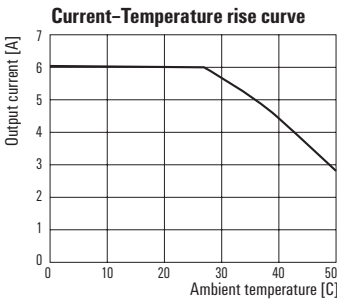
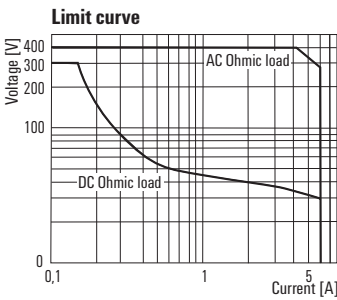
Technical data

Output	
Max. switching voltage, AC / Continuous current	250 V / 6 A
Min. switching power	12 V / 10 mA
Switch-on delay / Switch-off delay	6.2 ms / 3.9 ms
Contact material	AgSnO
Mechanical service life	20 x 10 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.)	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



1 CO contact
AC / DC / UC coil

Ordering data

Input	5 V DC 1CO	12 V DC 1CO	24 V DC 1CO	24 V UC 1CO
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

Input	48 V UC 4CO	60 V DC 1CO	120 V UC 1CO	230 V AC 1CO
Rated control voltage	48 V UC ±10 %	60 V DC ±20 %	120 V UC +10 % / -15 %	230 V AC ±10 %
Rated current AC	5 mA		3.5 mA ±15 %	7.6 mA
Rated current DC	4 mA	3,3 mA	3.5 mA ±15 %	
Power rating	190 mW	200 mW	0.42 VA, 360 mW	1.75 VA, 210 mW
AC Response/dropout Volt			60 V / 37 V	103 V / 49 V
DC Response/dropout Volt	29 V / 11 V	35 V / 11 V	60 V / 21 V	
AC pickup/dropout current			1.8 mA / 1.1 mA	5 mA / 2.5mA
DC pickup/dropout current	2,2 mA / 1,3 mA	1,6 mA / 0,6 mA	1,8 mA / 0,5 mA	
Approvals	CE; CSA; cULus; cURus	CE; CSA; cULus; cURus	CE; CSA; cULus; cURus	CE; CSA; cULus; cURus

Ordering data

Relay with socket					
Screw connection	Type	MRS 48VUC 1CO	MRS 60VDC 1CO	MRS 120VUC 1CO	MRS 230VAC 1CO
	Order No.	8556040000	8556060000	8556030000	8556020000
Tension clamp connection	Type	MRZ 48VUC 1CO	MRZ 60VDC 1CO	MRZ 120VUC 1CO	MRZ 230VAC 1CO
	Order No.	8556110000	8556130000	8556100000	8556090000

Ordering data

Spare relay (pluggable)				
Type	RSS113048 48VDC-Rel1U	RSS113060 60VDC-REL1U	RSS113060 60VDC-REL1U	RSS113024 24VDC-REL1U
Order No.	4061620000	4061630000	4061630000	4060120000

Note

MICROSERIES - Relay Couplers

1 CNA

Special Variants

Variant of the 24 V DC actuator model:

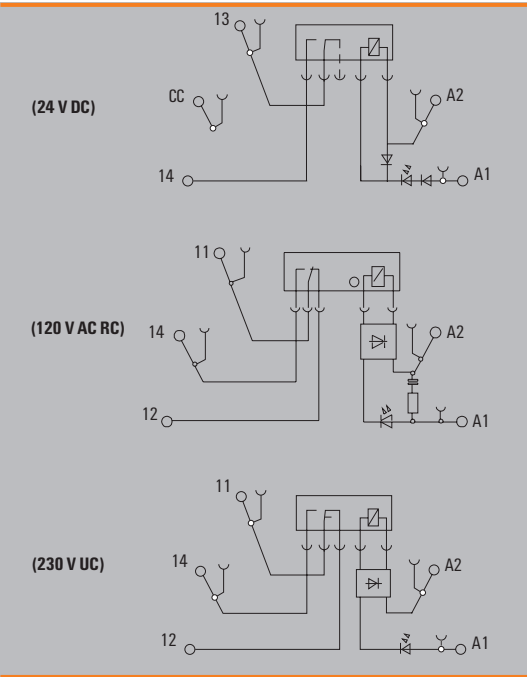
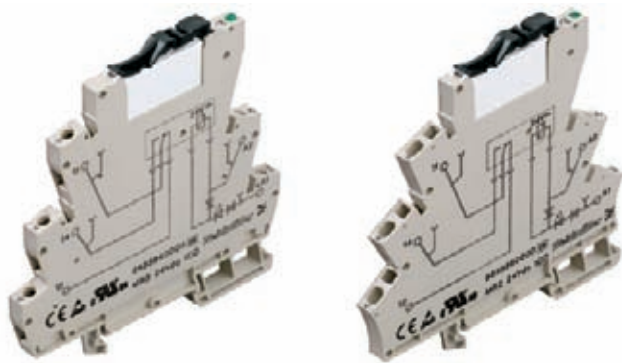
- Potential free connection for direct connection of actuators at the output using bridging

Variant of the 120 V AC-RC model:

- The RC device of the input guarantees safe connection thresholds, e.g. with leak currents at the control side

230 V UC variant:

- It can also be connected to the input with DC signals



Technical data

Output	
Max. switching voltage, AC / Continuous current	250 V / 6 A
Min. switching power	12 V / 10 mA
Switch-on delay / Switch-off delay	6.6 ms / 5.8 ms
Contact material	AgSnO
Mechanical service life	20 x 10 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.)	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	

Ordering data

Input
Rated control voltage
Rated current AC
Rated current DC
Power rating
AC Response/dropout Volt
DC Response/dropout Volt
AC pickup/dropout current
DC pickup/dropout current
Approvals

24 V DC ACT
24 V DC ±20 %
6.6 mA
160 mW
15.4 V / 6.5 V
4 mA / 1.2 mA
CE; cULus

120 V AC 1C0 RC
120 V AC + 10 % / -15 %
7 mA
0.84 VA
60 V / 37 V
4.5 mA / 3.7 mA
CE; cULus

230 V UC 1C0
230 V UC +10 % / -15 %
3.5 mA
2.9 mA
0.8 VA / 660 mW
146 V / 104 V
153 V / 101 V
1.7 mA / 0.7 mA
CE

Ordering data	
Relay with socket	
Screw connection	Type
	Order No.
Tension clamp connection	Type
	Order No.

MRS 24VDC ACT
8660920000
MRZ 24VDC ACT
8660910000

MRS 120VUC 1C0 RC
8825970000
MRZ 120VUC 1C0 RC
8825960000

MRS 230VUC 1C0
8825990000
MRZ 230VUC 1C0
8825980000

Ordering data
Spare relay (pluggable)
Type
Order No.

RSS113024 24VDC-REL1U
4060120000

RSS113060 60VDC-REL1U
4061630000

RSS113060 60VDC-REL1U
4061630000

Note

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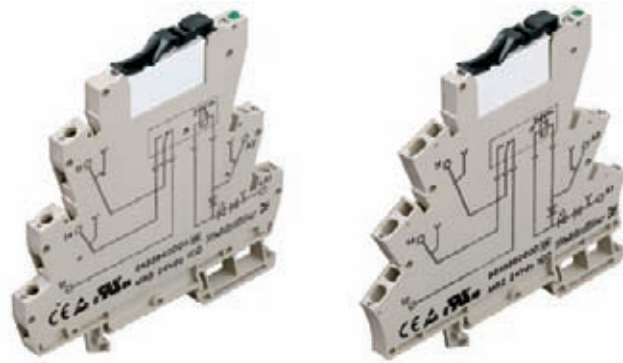
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1 change-over**with hard gold plated contacts AC / DC / UC coil**

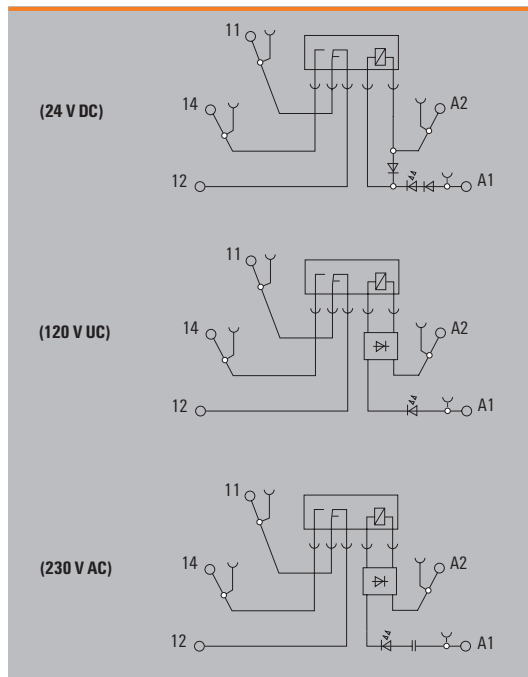
This module may be used as a universal interface between the control and actuator for connecting small and medium loads.

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

**Technical data**

Output	
Max. switching voltage, AC / Continuous current	250 V / 6 A
Min. switching power	1 V / 1 mA
Switch-on delay / Switch-off delay	6.6 ms / 5.8 ms
Contact material	AgSnO 5µm Au
Mechanical service life	20 x 10 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.)	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	

**Ordering data**

Input	24 V DC 1CO Au	120 V UC 1CO Au	230 V AC 1CO Au
Rated control voltage	24 V DC ±20 %	120 V UC +10 % / -15 %	230 V AC ±10 %
Rated current AC		3.5 mA ±15 %	7.6 mA
Rated current DC	6.6 mA	3.5 mA ±15 %	
Power rating	160 mW	0.42 VA, 360 mW	1.75 VA, 210 mW
AC Response/dropout Volt		60 V / 37 V	103 V / 49 V
DC Response/dropout Volt	15.4 V / 6.5 V	71 V / 22 V	
AC pickup/dropout current		1.8 mA / 1.1 mA	5 mA / 2.5mA
DC pickup/dropout current	4 mA / 1.2 mA	1.8 mA / 0.5 mA	
Approvals	CE; cULus	CE; cULus	CE; cULus

Ordering data		24 V DC 1CO Au	120 V UC 1CO Au	230 V AC 1CO Au
Relay with socket				
Screw connection	Type	MRS 24VDC 1CO 5uAu	MRS 120VUC 1CO 5uAu	MRS 230VAC 1CO 5uAu
	Order No.	8596060000	8652030000	8596050000
Tension clamp connection	Type	MRZ 24VDC 1CO 5uAu	MRZ 120VUC 1CO 5uAu	MRZ 230VAC 1CO 5uAu
	Order No.	8596080000	8652040000	8596070000

Ordering data		24 V DC 1CO Au	120 V UC 1CO Au	230 V AC 1CO Au
Spare relay (pluggable)				
	Type	RSS112024 24VDC-REL1U	RSS112060 60VDC-REL1U	RSS112024 24VDC-REL1U
	Order No.	4061590000	4061600000	4061590000

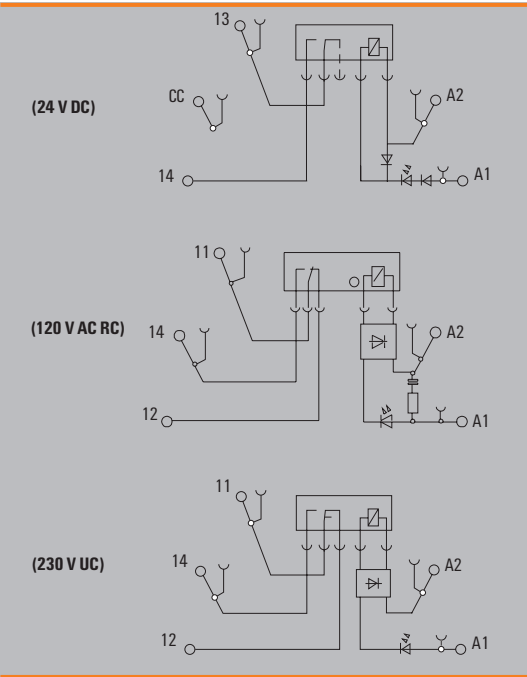
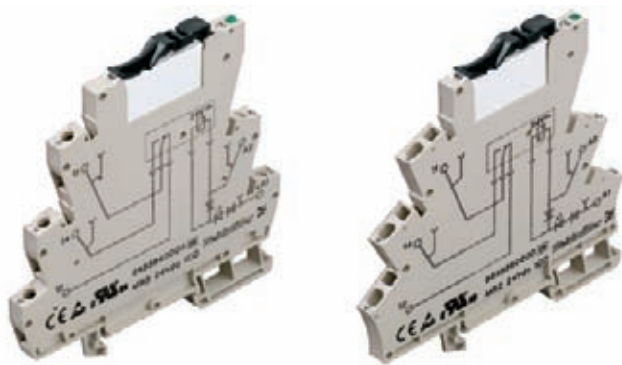
Note	Allows safely connecting loads of up to 100 - 60 V AC/DC and 1 - 300 mA. Connecting higher loads may damage the gold plating.	Allows safely connecting loads of up to 100 - 60 V AC/DC and 1 - 300 mA. Connecting higher loads may damage the gold plating.	Allows safely connecting loads of up to 100 - 60 V AC/DC and 1 - 300 mA. Connecting higher loads may damage the gold plating.
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MICROSERIES - Relay Couplers

1 C0 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 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	
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

Input
Rated control voltage
Rated current AC
Rated current DC
Power rating
AC Response/dropout Volt
DC Response/dropout Volt
AC pickup/dropout current
DC pickup/dropout current
Approvals

12 V DC 1C0
12 V DC ±20 %
17 mA
210 mW
6.4 V / 2.5 V
8.4mA/2.4mA
CE; cULusEX

24 V DC 1C0
24 V DC ±20 %
6.6 mA
160 mW
15.4 V / 6.5 V
4 mA / 1.2 mA
Cl. I Div. 2; CE

24 V UC 1C0
24 V UC ±10 %
11 mA
6.4 mA
270 mVA / 154 mW
15.8 V / 7 V
3.6mA/1.3mA
CE; cULusEX

Ordering data	
Relay with socket	
Screw connection	Type
	Order No.
	Type
	Order No.

MRS 12VDC 1C0 C1D2
8967340000

MRS 24VDC 1C0 C1D2
8967350000

MRS 24VUC 1C0 C1D2
8967360000

Ordering data
Spare relay (pluggable)
Type
Order No.

RSS113012 12VDC-REL1U
4061610000

RSS113024 24VDC-REL1U
4060120000

RSS113024 24VDC-REL1U
4060120000

Note

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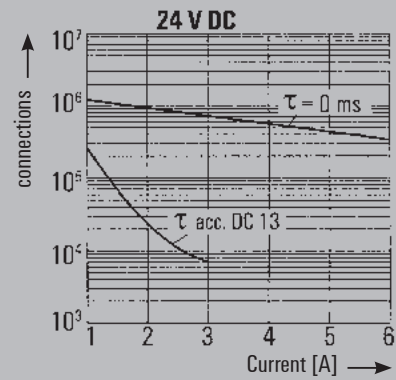
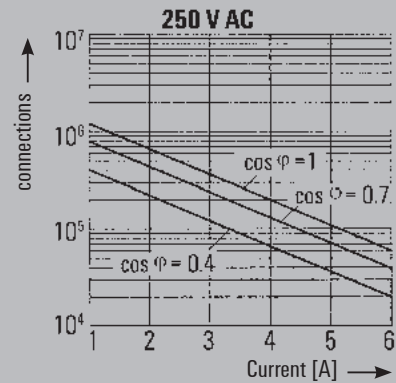
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RSS Relay
1 CO contact DC coil

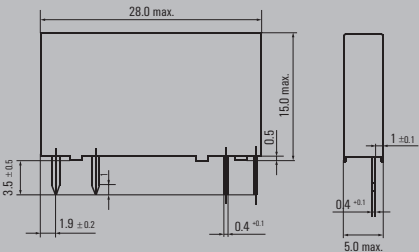


Cross Connection

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

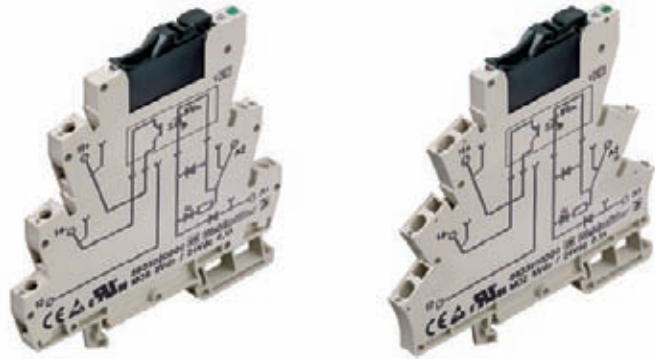
Type code	RSS				
Type	RIDER Signal Slim				
Model	1 Printing, vertical, washable				
Type of contact	1 1 Changeover contact				
Contact material	2 AgSnO ₂ htv 3 AgSnO ₂				
Coil	005 5 V DC 012 12 V DC 024 24 V DC 048 48 V DC 060 60 V DC				

MICROSERIES - Relay Couplers

MOS / MOZ 3...48 V DC / 0.1 A

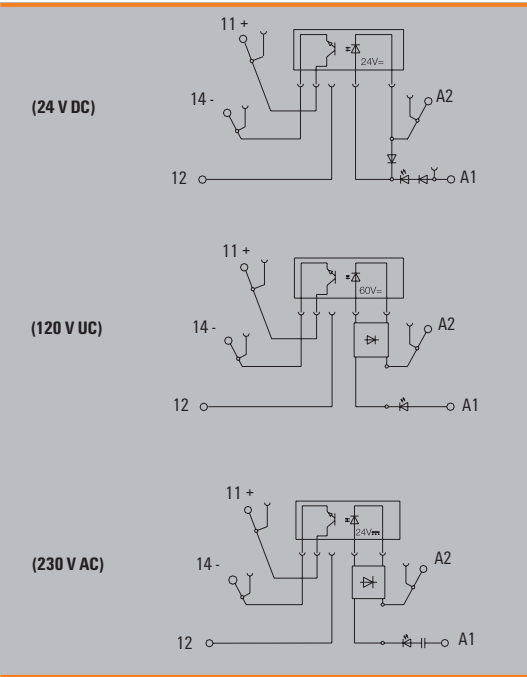
Universal interface between the control and the sensor/actuator

- Plug-in cross-connection ZQV 4N
- Interchangeable solid state relay
- 6.1 mm wide
- Screw or tension clamp connection
- For mounting on TS35



Technical data

Load side	
Rated switching voltage	3...48 V DC
Rated switching current	0.1 A
Voltage drop at max. load	≤ 1 V
Leakage current	
Short-circuit-proof	No
Rated data	
Ambient temperature (operational)	-25 °C...+50 °C
Storage temperature	-40 °C...+60 °C
Humidity	40°C / 93% rel. humidity, no condensation
Insulation coordination (EN 50 178)	
Standards	DIN EN 50178
Rated voltage	300 V
Rated impulse withstand voltage	4 kV (1.2 / 50 µs)
Clearance and creepage distances for control side - load side	≥ 5.5 mm
Surge voltage category	
Pollution severity level	



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

Ordering data

Control side	5 V DC / 24 V DC 0,1 A	24 V DC / 24 V DC 0,1 A	120 V UC / 24 V DC 0,1 A	230 V AC / 24 V DC 0,1 A
Rated control voltage	5 V DC ±20 %	24 V DC ±20 %	120 V UC +10 % / -15 %	230 V AC ±10 %
Power rating	35 mW ±10 %	140 mW	340 mW / 0.4 VA	1.7 VA
Input frequency	max. 10 Hz	300 Hz	DC: 10 Hz / AC: 3 Hz	max. 10 Hz
Switch-on delay	< 6.5 ms	35 µs	< 6.5 ms	< 6.5 ms
Switch-off delay	< 10 ms	355 µs	< 10 ms	< 10 ms
Approvals	CE; cULus	CE; cULus	CE; cULus	CE; cULus

Ordering data Relay with socket					
Screw connection	Type	MOS 5VDC / 24VDC 0,1A	MOS 24VDC / 24VDC 0,1A	MOS 120VUC / 24VDC 0,1A	MOS 230VAC / 24VDC 0,1A
	Order No.	8633020000	8607340000	8607690000	8607710000
Tension clamp connection	Type	MOZ 5VDC / 24VDC 0,1A	MOZ 24VDC / 24VDC 0,1A	MOZ 120VUC / 24VDC 0,1A	MOZ 230VAC / 24VDC 0,1A
	Order No.	8633010000	8607360000	8607730000	8607750000
Ordering data Spare relay (pluggable)					
Type	Type	SSS RELAIS 5V/24V 0,1ADC	SSS RELAIS 24V/24V 0,1ADC	SSS RELAIS 60V/24V 0,1ADC	SSS RELAIS 24V/24V 0,1ADC
	Order No.	4064320000	4061180000	4061230000	4061180000
Note					

Plug-in solid-state relay

SSS Relay

Connection current 100 mA

SSS Relay

Connection current 2 A

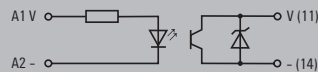
SSS Relay

Connection current 1 A



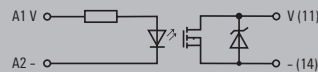
Technical data

Input	5 V DC	24 V DC	60 V DC
Nominal Control Voltage	0.8 V DC/6 V DC	16 V DC/30 V DC	52 V DC/72 V DC
Min./max. control voltage	4.1 mA	7 mA $\pm$ 10 %	2.8 mA $\pm$ 10 %
Control current to $U_N = 24$ V	2.5 V DC	10 V DC	40 V DC
Release Voltage	-	approx. 4 k Ω	approx. 20 k Ω
Control Circuit Resistance			
Output			
Load voltage	Bipolar transistor		
Permanent current	3 ... 48 V DC		
to $U_A > 5$ V DC	100 mA DC		
Voltage drop (activation)	< 1 V DC		
Insulation			
Test voltage between I/O	2.5 kV		
Other data			
Service temperature	-20 °C ... +60 °C		
Storage temperature scale	-40 °C ... +70 °C		
Weight	3.65 g		
Humidity	40°C/93% rel. humidity without condensation		
Approvals			
*TU 20 °C			
Schematic/circuit diagram			

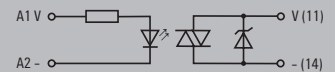


If you require more details, visit
www.vincotech.com

5 V DC	24 V DC	60 V DC
2.5 V DC/6 V DC	18 V DC/30 V DC	35 V DC/72 V DC
9 mA	7 mA $\pm$ 10 %	3.0 mA $\pm$ 10 %
0.8 V DC	10 V DC	20 V DC
approx. 5 k Ω	approx. 3.2 k Ω	approx. 16 k Ω
MOS-FET		
3 ... 33 V DC		
2 A DC		
< 120 mV DC		
2.5 kV		
-20 °C ... +60 °C		
-40 °C ... +70 °C		
3.65 g		
40°C/93% rel. humidity without condensation		



24 V DC	60 V DC
18 ... 30 V DC	35 ... 72 V DC
3.1 mA ± 10 %	3.1 mA ± 10 %
20 V DC	20 V DC
20 kΩ	20 kΩ
TRIAC	
24 ... 240 V AC	
1 A AC	
< 1 V AC	
2.5 kV	
-20 °C ... +60 °C	
-40 °C ... +70 °C	
3.65 g	
40 °C/93% rel. humidity without condensation	
	



Ordering data

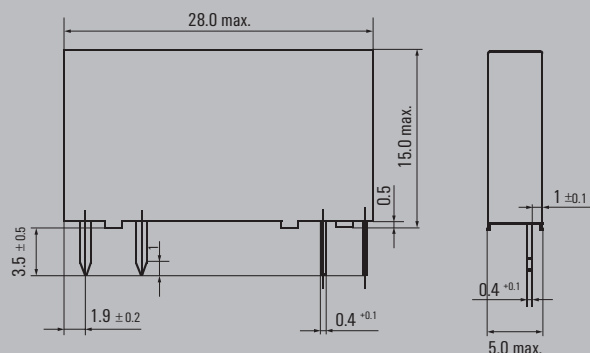
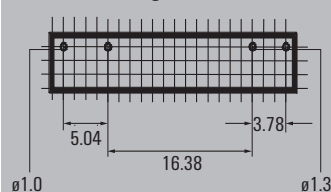
Nominal Control Voltage	Type	Order No.
5 V DC	SSS Relais 5 V/24 V 0.1 A DC	4064320000
24 V DC	SSS Relais 24 V/24 V 0.1 A DC	4061180000
60 V DC	SSS Relais 60 V/24 V 0.1 A DC	4061230000

Type	Order No.
SSS Relais 5 V / 24 V 2 A DC	4064310000
SSS Relais 24 V/24 V 2 A DC	4061190000
SSS Relais 60 V/24 V 2 A DC	4061200000

Type	Order No.
SSS Relais 24 V/230 V 1 A AC	4061210000
SSS Relais 60 V/230 V 1 A AC	4061220000

Dimensional drawing

Printed circuit diagram



Interface and pre-assembled cables for general applications

Interface and pre-assembled cables for general applications	Introduction	C.2
	RS F – Interface for flat cable in accordance with IEC 603-1/ DIN41651	C.6
	RS SD – Interface for connector SUB-D in accordance with IEC 807-2/ DIN41652	C.8
	RS RJ45 – Interfaces with RJ45 connector	C.10
	RS ELCO – Interface with ELCO plug-in connectors	C.12
	RS VERT – Supply voltage distributor modules	C.16
	RSD – Interfaces with diodes	C.19
	PAC-UNIV Pre-assembled cables for RS F and RS SD interfaces	C.20
	PAC-ELCO Pre-assembled cables for RS ELCO interfaces	C.22

Interface and pre-assembled cables for general applications

Due to the need for cost reductions in the construction of electric cabinets, our interfaces for general applications offer an alternative to end-to-end wiring concepts. Their main function is as an adapter to enable a functional and safe operation between standard plug-in connectors connected to any controller or PLC, and printed circuit terminals connected to application sensors/activators.

Weidmüller's universal interfaces for applications have the following individual features:

- Extruded profile for inserting the PCB
- End plates for fitting on the mounting rail
- Clip-on feet for locking on standardised mounting rails TS 32 and TS 35
- Printed circuit board where the following elements can be identified:
 - Plug-in connectors
 - Weidmüller terminals for screw or tension clamp connection
 - Markings

The plug-in connectors used for interconnection can be divided into the following groups:

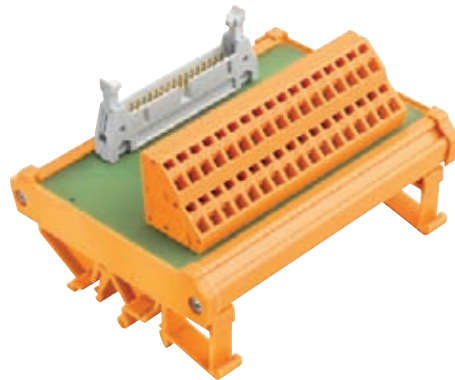
- Ribbon cable connector in accordance with IEC 603-1/DIN 41651 (RSF)
- Miniature SUB-D plug-in connectors acc. to IEC 807-2/DIN 41652
- RJ45 connectors for data lines
- Plug-in ELCO connectors for applications in high-demand industrial areas.

Pre-assembled cables with the corresponding plug-in connector systems are used in the connection between the controller and the interface. These pre-assembled cables allow maximum savings for the user, as they achieve a cost reduction in the materials, due to fewer individual cables, conductors and cable ducting.

Advantages of the interface units:

- Space savings thanks to the 2 and 3 floor interface terminals.
- Conventional end-to-end wiring is only needed on one side, therefore assembly and start-up times are reduced,
- Greater safety, preventing wiring errors
- Simplified setup and documentation

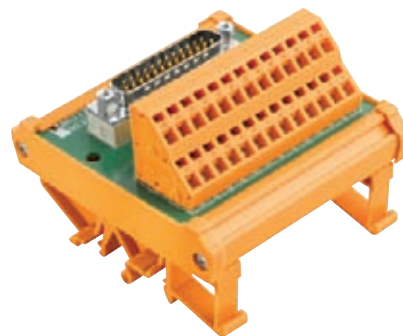
RS F – Interface for ribbon cable in accordance with IEC 603-1/ DIN41651



Passive interfaces for transmitting signals from a plug-in flat cable connector, based on IEC 603-1 / DIN41651, to a tension clamp or screw connection.

Connection between both connectors is 1 to 1 and the range includes male connectors with between 10 and 64-poles.

RS SD – Interface for connector SUB-D in accordance with IEC 807-2/ DIN41652



Passive interfaces for transmitting signals from a plug-in SUB-D connector based on IEC 807-2 / DIN41652, to a tension clamp connection or screw connection.

Thanks to the metal casing of the SUB-D these connectors are ideal for transmitting analogue signals or for connection with shielded cables.

Connection between both connectors is 1 to 1 and the range includes male and female connectors with between 9 and 50-poles.

RS RJ45 - Interfaces with RJ45 connector

Passive interfaces transport signals from a modem, router, computer or any other communications equipment using RJ45 connectors to screw or tension clamp connections.

They can be used to adapt the shielded RJ-45 8-pole connectors to screw connections or for coupling 2 data lines.

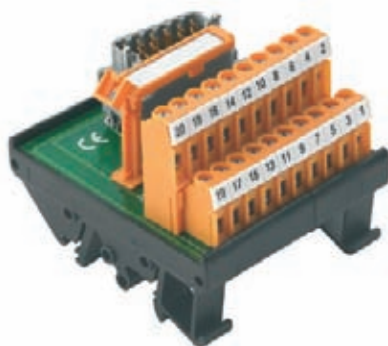
For data transmission rates of up to 100 Mbps, it is advisable to connect one end of the shield of the data cable to a protective earth.



The modules can be fixed to standard TS32 and/or TS35 mounting rails.

RS ELCO – Interface with ELCO plug-in connectors

Passive interfaces that transport signals proceeding from a 20 to 90-pole ELCO plug-in connector to screw or tension clamp connection techniques.



The ELCO connectors are used, for example, in electric power stations, refineries and in different processing applications in which a robust, reliable connection is

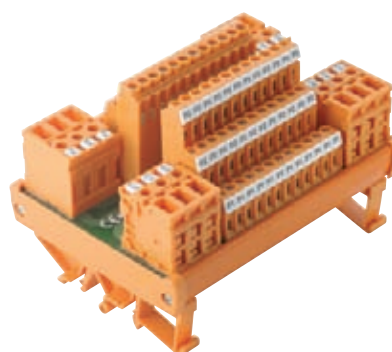
needed for a large number of signals. The main feature of an ELCO connector is its reliability thanks to its hermaphrodite contact, which is shaped like a fork.

The diagonal disposition of the connector (from right to left) facilitates the wiring of the cables in the electrical cabinet and avoids them from crossing one other.

RS VERT – Supply voltage distributor modules

Passive interfaces for the distribution of AC or DC voltage. These interfaces can distribute from 2 to 6 different voltages. This allows distributing voltages of 230/400 V AC and DC control signals.

These interfaces provide an easy visualisation, and can be fixed to standard TS35 and/or TS32 assembly rails.



Interface and pre-assembled cables for general applications

RSD – Interfaces with diodes



The diode interface is used for protection from surges, testing lamps or for preventing reverse polarity.

We therefore supply the following interfaces, namely:

- In common anode
- In common cathode
- Transverse diode

All come with screw connection and can be assembled onto TS-32 and TS-35 rails.

PAC-UNIV Pre-assembled cables for RS F and RS SD interfaces



This range of pre-assembled cables for ribbon cabling complies with IEC 603-1/DIN41651 and SUB-D in accordance with IEC 807-2/DIN41652.

One end of the cable is prepared for connecting with the RS-F or RS SD interfaces and the other end for wire-end ferrules or to a SUB-D connector or ribbon cable.

Colour code acc. To DIN 47,100 and available in different lengths.

PAC-ELCO Pre-assembled cables for RS ELCO interfaces



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

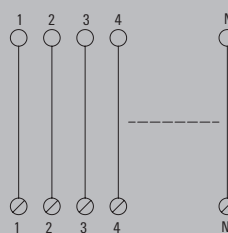
RS F - Interface for flat cable in accordance with IEC 603-1 / DIN 41651

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

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

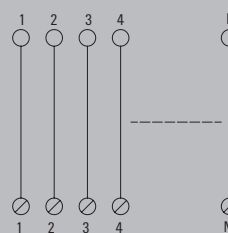
- Connection 1:1
- 10 to 64 poles
- Screw or tension clamp connection

RSF Z



N: Number of poles

RSF S



N: Number of poles

Technical data

Connection data
Connection on control side
Connection (field side)
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)
Dimensions
Clamping range, min. / max. [Field]
Mounting rail
Width x height
Note

Plug-in connector acc. IEC 603-1 / DIN 41651
LM2NZF 5.08mm
60 V AC / 75 V DC
1 A
0...+55°C
-40...+70 °C
CE; GOSTME25
100 V
II
2
0.8 kV
0.13 mm ² / 2.5 mm ²
TS 35, TS 32
87 mm / 64 mm
Note

Plug-in connector acc. IEC 603-1 / DIN 41651
LP2N 5.08mm
60 V AC / 75 V DC
1 A
0...+55°C
-40...+60 °C
CE; GOSTME25
100 V
II
2
0.8 kV
0.13 mm ² / 6 mm ²
TS 35, TS 32
87 mm / 70 mm
Note

Ordering data

10-pole connector
14-pole connector
16-pole connector
20-pole connector
26-pole connector
34-pole connector
40-pole connector
50-pole connector
60-pole connector
64-pole connector

Type	Length	Order No.
RS F10 Z	50 mm	8537190000
RS F14 Z	50 mm	8537200000
RS F20 Z	65 mm	8537110000
RS F26 Z	80 mm	8537180000
RS F34 Z	110 mm	8537130000
RS F40 Z	115 mm	8537140000
RS F50 Z	145 mm	8537150000

Type	Length	Order No.
RS F10 LP2N 5/10	50 mm	0224961001
RS F14 LP2N 5/14	50 mm	0225061001
RS F16 LP2N 5/16	55 mm	0225161001
RS F20 LP2N 5/20	65 mm	0224261001
RS F26 LP2N 5/26	80 mm	0224861001
RS F34 LP2N 5/34	110 mm	0224361001
RS F40 LP2N 5/40	115 mm	0224461001
RS F50 LP2N 5/50	145 mm	0224561001
RS F60 LP2N 5/60	180 mm	0224661001
RS F64 LP2N 5/64	180 mm	0224761001

Note

Note

Note

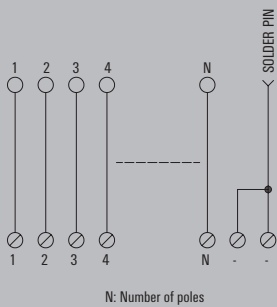
Accessories

Note

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

RSF S/ COMPACT



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

LP3R 5.08mm

60 V AC / 75 V DC

1 A

0...+55°C

-40...+70 °C

CE; GOSTME25

100 V

II

2

0.8 kV

0.13 mm² / 6 mm²

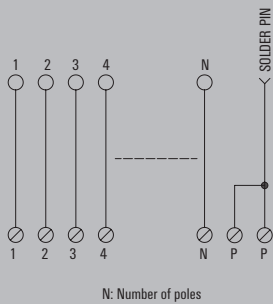
TS 35, TS 32

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



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

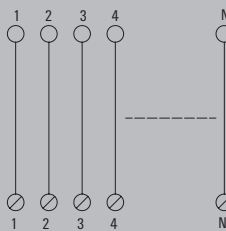
RS SD - Interface for connector SUB-D in accordance with IEC 807-2 / DIN 41652

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

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

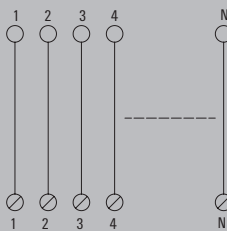
- Connection 1:1
- 9 to 50 poles
- Screw or tension clamp connection

RSSD Z



N: Number of poles

RSSD S



N: Number of poles

Technical data

Connection data
Connection on control side
Connection (field side)
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)
Dimensions
Clamping range, min. /max. [Field]
Mounting rail
Width x height
Note

Connection data
SUB-D plug, in compliance with IEC 807-2 / DIN 41652
LM2NZF 5.08mm
Rated data
100 V
1.5 A
General data
0...+55°C
-40...+70 °C
CE; GOSTME25
Insulation coordination (EN50178)
100 V
II
2
0.8 kV
Dimensions
0.13 mm ² / 2.5 mm ²
TS 35, TS 32
87 mm / 63.6 mm
Note

Connection data
SUB-D plug, in compliance with IEC 807-2 / DIN 41652
LP2N 5.08mm
Rated data
100 V
1.5 A
General data
0...+55°C
-40...+70 °C
CE; GOSTME25
Insulation coordination (EN50178)
100 V
II
2
0.8 kV
Dimensions
0.13 mm ² / 6 mm ²
TS 35, TS 32
87 mm / 76 mm
Note

Ordering data

Type
9-pole male connector
15-pole male connector
25-pole male connector
37-pole male connector
50-pole male header
9-pole female connector
15-pole female connector
25-pole female connector
37-pole female connector
50-pole female connector

Type	Length	Order No.
RS SD9 SZ	45 mm	8537260000
RS SD15 SZ	60 mm	8537390000
RS SD25 SZ	80 mm	8537370000
RS SD37 SZ	110 mm	8537240000
RS SD50 SZ	145 mm	8537350000
RS SD9 BZ	45 mm	8537320000
RS SD15 BZ	60 mm	8537400000
RS SD25 BZ	80 mm	8537380000
RS SD37 BZ	110 mm	8537250000
RS SD50 BZ	87 mm	8537360000

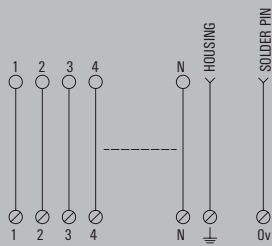
Type	Length	Order No.
RS SD9S UNC 4.40 LP2N	45 mm	8003901001
RS SD15S UNC 4.40 LP2N	60 mm	8005201001
RS SD25S UNC 4.40 LP2N	80 mm	8005181001
RS SD37S UNC 4.40 LP2N	110 mm	8003881001
RS SD50S UNC 4.40 LP2N	154 mm	8005161001
RS SD9B UNC 4.40 LP2N	45 mm	8003911001
RS SD15B UNC 4.40 LP2N	60 mm	8005211001
RS SD25B UNC 4.40 LP2N	80 mm	8005191001
RS SD37B UNC 4.40 LP2N	110 mm	8003891001
RS SD50B UNC 4.40 LP2N	154 mm	8005171001

Note
Accessories
Note

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

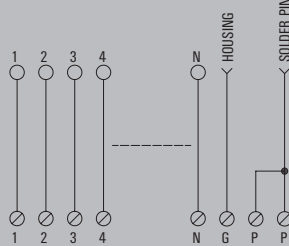
Note
Refer to the "Universal cables PAC-UNIV" section in this chapter

RSSD/ COMPACT



N: Number of poles

RSSD / RS45



N: Number of poles

SUB-D plug, in compliance with IEC 807-2 / DIN 41652

LP3R 5.08mm

100 V

1.5 A

0...+55°C

-40...+70 °C

CE; GOSTME25

100 V

II

2

0.8 kV

0.13 mm² / 6 mm²

TS 35, TS 32

87 mm / 80 mm

SUB-D plug, in compliance with IEC 807-2 / DIN 41652

LPK 2H 5.08mm

100 V

1.5 A

0...+55°C

-40...+70 °C

CE; GOSTME25

100 V

II

2

0.8 kV

0.15 mm² / 1.5 mm²

TS 35

45 mm / 65.5 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

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

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

RS RJ45 - Interfaces with RJ45 connector

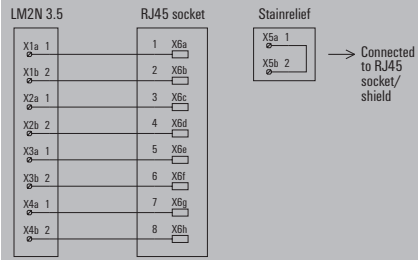
RS RJ45 - Interfaces
with RJ45 connector

- Interface for the screw connection of communication devices
- Phosphor-bronze connector 6µ AU
- Data rate Cat5 100 Mbit

RS RJ45



RS RJ45 2WAY



Technical data

Connection data	
Connection on control side	
Connection (field side)	
Rated data	
Rated voltage	
Rated current per connection	
General data	
Ambient temperature (operational)	
Storage temperature	
Approvals	
Insulation coordination (EN50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Pulse voltage test (1,2/50µs)	
Dimensions	
Clamping range, min. /max. [Field]	
Mounting rail	
Width x height	
Note	

Ordering data

Type	Length	Order No.
------	--------	-----------

Note

Accessories

Note

RJ45 plug-in connectors	
LM2N 3.5mm	
50 V	
1 A	
0...+55°C	
-40...+70 °C	
CE; GOSTME25	
< 50 V AC	
III	
2	
0.8 kV	
Screw connection	
0.08 mm ² / 2.08 mm ²	
TS 35, TS 32	
70 mm / 48 mm	
Connect shielding of data line to protective earth at one end	

Type	Length	Order No.
RS RJ45	30 mm	8611320000

Note

Note

2 x RJ45 connector	
2 x RJ45 plug-in connectors	
50 V	
1 A	
0...+55°C	
-40...+70 °C	
CE; GOSTME25	
< 50 V AC	
III	
2	
0.8 kV	
TS 35	
45 mm / 44.2 mm	
Connect shielding of data line to protective earth at one end	

Type	Length	Order No.
RS RJ45 2WAY	46.8 mm	8555440000

Note

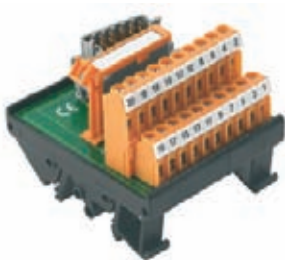
Note

RS ELCO - Interface with ELCO plug-in connectors

RS ELCO - Interface
with ELCO plug-in connectors

- Passive interfaces for transmitting signals from a plug-in ELCO connector to a screw or tension clamp connection.
- Family of 20, 38, 56 to 90-pole male plug-in connectors
 - Polarisation of the connector to prevent errors in connection (position 1)
 - High resistance to vibration and low contact resistance

RS ELCO S



RS ELCO Z



Technical data

Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)

150 V AC / 200 V DC
1.5 A
-25...+50°C
-40...+60 °C
CE
< 150 V AC
II
2
2.5 kV

150 V AC / 200 V DC
1.5 A
-25...+50°C
-40...+60 °C
CE
< 150 V AC
II
2
2.5 kV

Dimensions
Clamping range, min. / max. [Field]
Mounting rail
Width x height
Note

Screw connection
0.13 mm ² / 6 mm ²
TS 32, TS 35
70 mm / 60 mm
Polarizer in position 1

Tension clamp connection
0.13 mm ² / 2.5 mm ²
TS 32, TS 35
70 mm / 60 mm
Polarizer in position 1

Ordering data

	20-pole
	20-pole
	38-pole
	38-pole
	56-pole
	56-pole
	56-pole
	56-pole
	56-pole
	56-pole
	90-pole
	90-pole
Note	

Type	Length	Order No.
RS ELCO 20/20RM S	60 mm	1126610000
RS ELCO 20/20LM S	60 mm	1126630000
RS ELCO 38/38RM S	105 mm	1126650000
RS ELCO 38/38LM S	105 mm	1126670000
RS ELCO 56/32RM S	95 mm	1126690000
RS ELCO 56/32LM S	95 mm	1126710000
RS ELCO 56/54RM S	155 mm	1126730000
RS ELCO 56/54LM S	155 mm	1126750000
RS ELCO 56/56RM S	155 mm	1126770000
RS ELCO 56/56LM S	155 mm	1126790000

Type	Length	Order No.
RS ELCO 20/20RM Z	60 mm	1126620000
RS ELCO 20/20LM Z	60 mm	1126640000
RS ELCO 38/38RM Z	105 mm	1126660000
RS ELCO 38/38LM Z	105 mm	1126680000
RS ELCO 56/32RM Z	95 mm	1126700000
RS ELCO 56/32LM Z	95 mm	1126720000
RS ELCO 56/54RM Z	155 mm	1126740000
RS ELCO 56/54LM Z	155 mm	1126760000
RS ELCO 56/56RM Z	155 mm	1126780000
RS ELCO 56/56LM Z	155 mm	1126800000

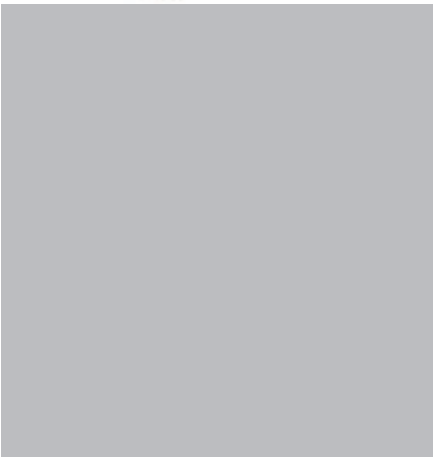
Accessories

Note

Refer to the "Universal cables PAC-ELCO" section in this chapter
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Refer to the "Universal cables PAC-ELCO" section in this chapter
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RS ELCO 90/90 S



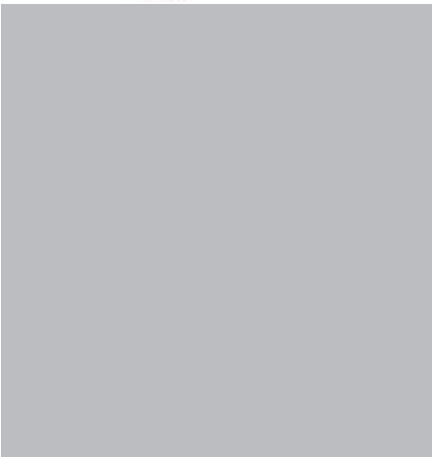
150 V AC / 200 V DC
0.5 A
-25...+50°C
-40...+60 °C
CE
< 150 V AC
II
2
2.5 kV

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

RS ELCO

Pin assignement

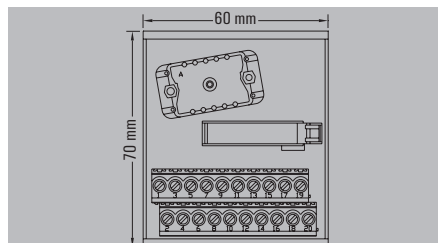
ELCO connector 20-pole	RS ELCO 20/20RM S/Z RS ELCO 20/20LM S/Z
A	1
B	2
C	3
D	4
E	5
F	6
H	7
J	8
K	9
L	10
M	11
N	12
P	13
R	14
S	15
T	16
U	17
V	18
W	19
X	20
Note	

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	

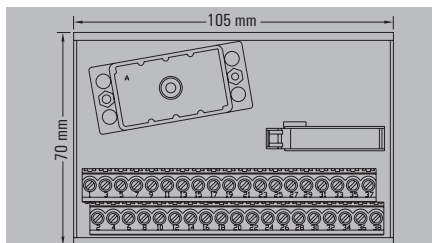
ELCO connector 56-pole	RS ELCO 56/32RM S/Z RS ELCO 56/32LM S/Z	RS ELCO 56/54RM S/Z RS ELCO 56/54LM S/Z	RS ELCO 56/56RM S/Z RS ELCO 56/56LM S/Z
A	1	1	1
B	2	2	2
C	3	3	3
D	4	4	4
E	5	5	5
F	6	6	6
H	7	7	7
J	8	8	8
K	9	9	9
L	10	10	10
M	11	11	11
N	12	12	12
P	13	13	13
R	14	14	14
S	15	15	15
T	16	16	16
U	17	17	17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

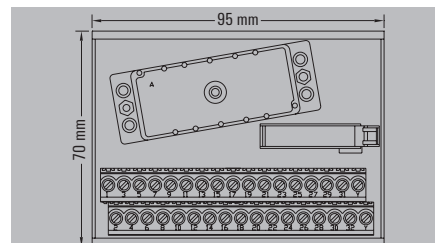
RS ELCO Dimensional Drawings



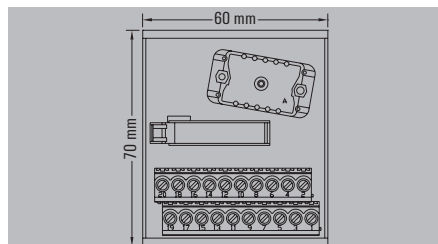
ELCO 20/20L LEFT



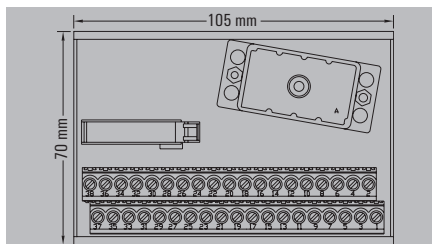
ELCO 38/38L LEFT



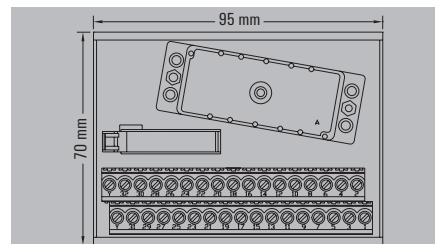
ELCO 56/32L LEFT



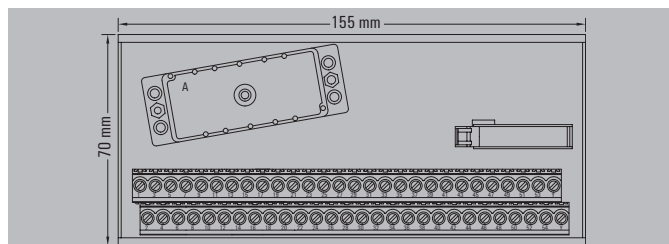
ELCO 20/20R RIGHT



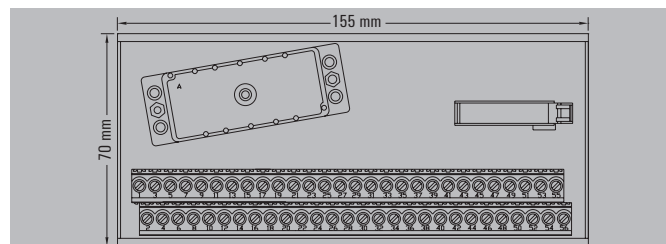
ELCO 38/38R RIGHT



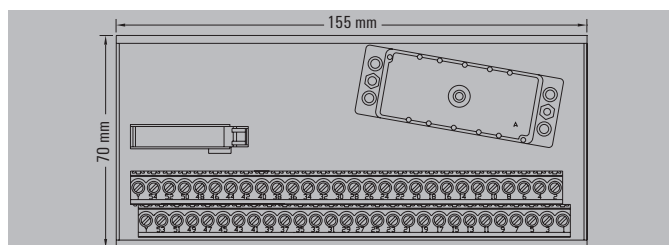
ELCO 56/32R RIGHT



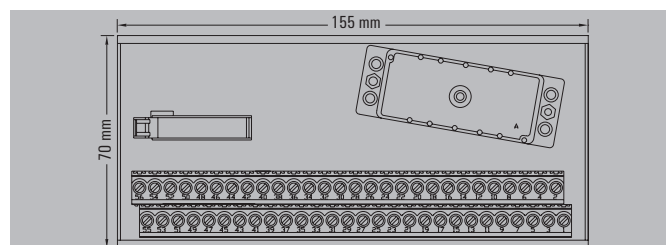
ELCO 56/54L LEFT



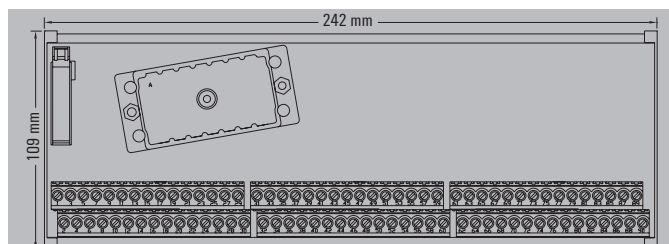
ELCO 56/56L LEFT



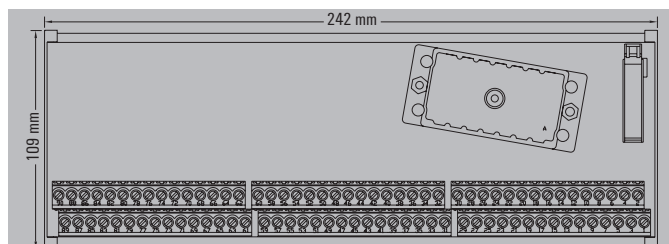
ELCO 56/54R RIGHT



ELCO 56/56R RIGHT



ELCO 90/90L LEFT



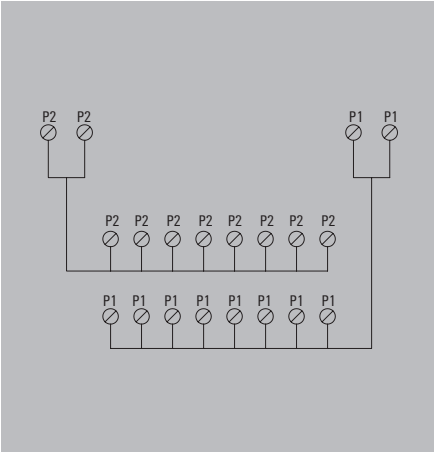
ELCO 90/90R RIGHT

RS VERT - Supply voltage distributor modules

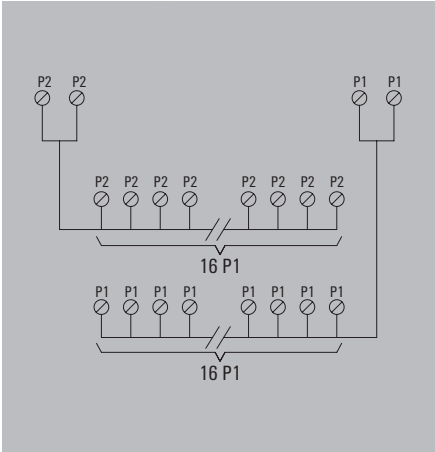
RS VERT - 2 potentials

- 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. current per distribution terminal
Max. current per voltage potential
Total operating current
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)

max. 30 V
5 A
5 A
10 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 50 V AC
III
2
0.8 kV

max. 30 V
5 A
5 A
10 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 50 V AC
III
2
0.8 kV

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

Screw connection
0.15 mm ² / 1.5 mm ²
0.15 mm ² / 1.5 mm ²
TS 35
51.5 mm / 45 mm
The module may be used for a nominal voltage of 250 V AC, considering an overvoltage category of II

Screw connection
0.15 mm ² / 1.5 mm ²
0.15 mm ² / 1.5 mm ²
TS 35
92.5 mm / 45 mm
The module may be used for a nominal voltage of 250 V AC, considering an overvoltage category of II

Ordering data

Screw connection

Type	Height	Order No.
RS VERT8 LPK2	64 mm	8252010000

Type	Height	Order No.
RS VERT16 LPK2	64 mm	8234620000

Note

Accessories
Note

Note

Accessories
Note

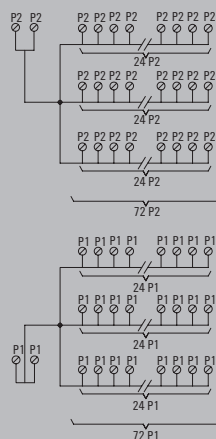
Note

Accessories
Note

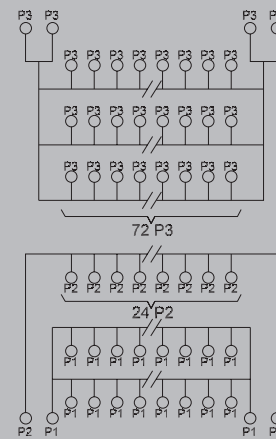
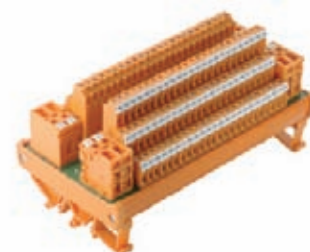
RS VERT - 2 and 3 potentials

- 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	
Max. current per distribution terminal	
Max. current per voltage potential	
Total operating current	
General data	
Ambient temperature (operational)	
Storage temperature	
Approvals	
Insulation coordination (EN50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Pulse voltage test (1,2/50µs)	
Dimensions	
Clamping range, min. / max. [Field]	
Clamping range, min. / max. [supply]	
Mounting rail	
Length x width	
Note	

Ordering data

Type	Height	Order No.
RS LPK3/144 VERT	68 mm	8199510000

Screw connection
Tension clamp connection

Rated data	
Operating voltage	≤ 250 V DC ≤ 250 V AC
Max. current per distribution terminal	10 A
Max. current per voltage potential	10 A
Total operating current	20 A
General data	
Ambient temperature (operational)	0...+55°C
Storage temperature	-40...+60 °C
Approvals	CE; GOSTME25
Insulation coordination (EN50178)	
Rated insulation voltage	< 300 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	4 kV
Screw connection	
Clamping range, min. / max. [Field]	0.15 mm² / 1.5 mm²
Clamping range, min. / max. [supply]	0.15 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	160 mm / 109 mm
Note	

Type	Height	Order No.
RS LPK3/144 VERT	68 mm	8199510000

Rated data	
Operating voltage	< 600 V AC
Max. current per distribution terminal	15 A
Max. current per voltage potential	30 A
Total operating current	90 A
General data	
Ambient temperature (operational)	-25...+50°C
Storage temperature	-40...+60 °C
Approvals	CE; ROHS
Insulation coordination (EN50178)	
Rated insulation voltage	< 600 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	6 kV
Screw connection	
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	168 mm / 87 mm
Tension clamp connection	
Clamping range, min. / max. [Field]	0.13 mm² / 2.5 mm²
Clamping range, min. / max. [supply]	0.13 mm² / 6 mm²
Mounting rail	TS 32, TS 35
Length x width	168 mm / 87 mm
Note	

Type	Height	Order No.
RS VERT 3P 48/24/72 S	83 mm	1128080000
RS VERT 3P 48/24/72 Z	75 mm	1128090000

Note

Accessories

Note

Note

Note

Note

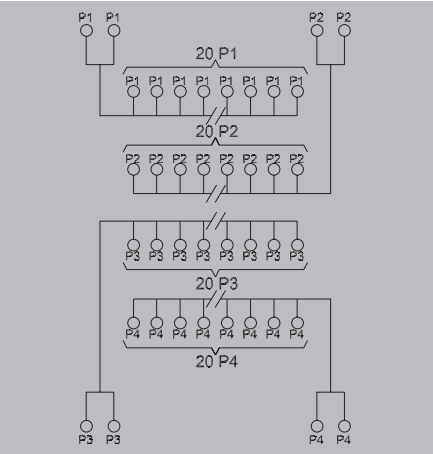
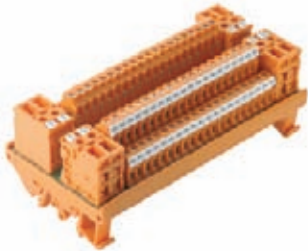
Note

RS VERT - Supply voltage distributor modules

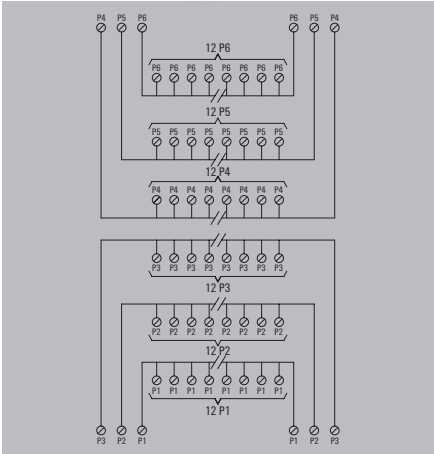
RS VERT - 4 and 6 potentials

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

RS VERT 4P/4X20P S/Z



RS VERT 6P/6X12P S/Z



Technical data

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

Dimensions	
Clamping range, min. / max. [Field]	0.13 mm ² / 6 mm ²
Clamping range, min. / max. [supply]	0.13 mm ² / 6 mm ²
Mounting rail	TS 32, TS 35
Length x width	145 mm / 70 mm
Note	

Ordering data

Type	Height	Order No.
RS VERT 4P 20X4 S	55 mm	1128100000
RS VERT 4P 20X4 Z	52 mm	1128110000

Note

Accessories

Note

Screw connection		Tension clamp connection	
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²	0.13 mm ² / 6 mm ²	0.13 mm ² / 6 mm ²
TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
145 mm / 70 mm	145 mm / 70 mm	145 mm / 70 mm	145 mm / 70 mm

Type	Height	Order No.
RS VERT 4P 20X4 S	55 mm	1128100000
RS VERT 4P 20X4 Z	52 mm	1128110000

Note

Accessories

Note

Screw connection		Tension clamp connection	
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²	0.13 mm ² / 6 mm ²	0.13 mm ² / 6 mm ²
TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
122 mm / 87 mm	122 mm / 87 mm	122 mm / 87 mm	122 mm / 87 mm

Type	Height	Order No.
RS VERT 6P 12X6 S	83 mm	1128120000
RS VERT 6P 12X6 Z	75 mm	1128130000

Note

Accessories

Note

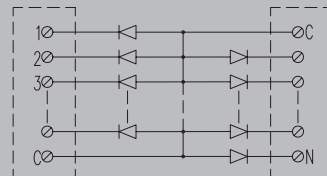
RSD - interfaces with diodes

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

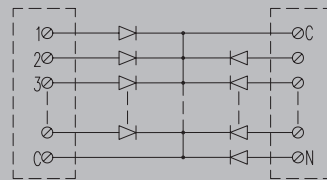
- Diode 1N4007
- Mounting on TS32/35

RSD A / RSD K

Common anode or cathode



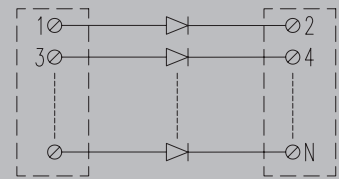
RSD A



RSD K

RSD

Independent diodes



Technical data

Rated data

Operating voltage
Rated current per connection

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

230 V
1 A

0...+55°C
-40...+60 °C
CE

230 V
II
2
2 kV

230 V
1 A

0...+55°C
-40...+60 °C
CE

230 V
II
2
2 kV

Dimensions

Clamping range, min. / max. [Field]
Mounting rail
Width x height

0.13 mm² / 6 mm²
TS 32, TS 35
70 mm / 42 mm

0.13 mm² / 6 mm²
TS 32, TS 35
70 mm / 42 mm

Note

Ordering data

10 independent diodes
12 independent diodes
20 independent diodes
40 independent diodes
5 A diodes (shared plus pole)
5 K diodes (shared negative pole)
10 A diodes (shared plus pole)
10 K diodes (shared negative pole)
20 A diodes (shared plus pole)
20 K diodes (shared negative pole)
22 A diodes (shared plus pole)

Type	Length	Order No.
RSD A5 LP/LP	20 mm	1312740000
RSD K5 LP/LP	20 mm	1312750000
RSD A10 LP/LP	35 mm	1312760000
RSD K10 LP/LP	35 mm	1312770000
RSD A20 LP/LP	60 mm	1312780000
RSD K20 LP/LP	60 mm	1312790000
RSD A22 LP/LP	65 mm	0180961001

Type	Length	Order No.
RSD 10 LP/LP	60 mm	8022901001
RSD 12 LP/LP	65 mm	0181461001
RSD 20 LP/LP	120 mm	8022911001
RSD 40 LP/LP	220 mm	8022921001

Note

Accessories

Note

PAC-UNIV - Pre-assembled cables for RSF and RSSD interfaces

PAC-UNIV - Pre-made cables
for RSF and RSSD interfaces

- Pre-built ribbon cable according to IEC-603/DIN 41651.
- Ribbon cable - ribbon cable
 - Ribbon cable - wire-end ferrules

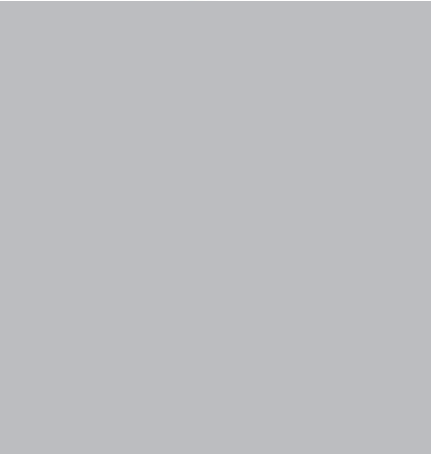
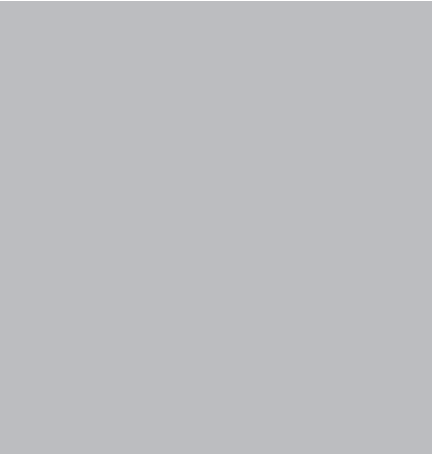
PAC-UNIV-HE-F

Ribbon cable to wire-end ferrules connector



PAC-UNIV-HE-HE

Ribbon cable to ribbon cable connector



Technical data

Rated data
Operating voltage
Permissible current strength per path, max.
Total current, max.
Resistance
Capacity wire / wires
Capacity wire / shield
Cable features
Cable
Material
Wire cross-section
General data
Ambient temperature (operational)
Storage temperature

≤ 60 V DC ≤ 25 V AC
1.00
3.00
≤ 150mΩ/m
300 pF/m
300 pF/m
Cable features
Cable LiYY
PVC
0.14 mm²
General data
-10...+50°C
-10...+60 °C

≤ 60 V DC ≤ 25 V AC
1.00
3.00
≤ 150mΩ/m
300 pF/m
300 pF/m
Cable features
Cable LiYY
PVC
0.14 mm²
General data
-10...+50°C
-10...+60 °C

Note

Ordering data

10-pole connector
14-pole connector
16-pole connector
20-pole connector
26-pole connector
34-pole connector
40-pole connector
50-pole connector

Type	Qty.	Order No.
PAC-UNIV-HE10-F-1M		1349730010
PAC-UNIV-HE14-F-1M		1349740010
PAC-UNIV-HE16-F-1M		1349770010
PAC-UNIV-HE20-F-1M		1349790010
PAC-UNIV-HE26-F-1M		1349820010
PAC-UNIV-HE34-F-1M		1349840010
PAC-UNIV-HE40-F-1M		1349880010
PAC-UNIV-HE50-F-1M		1349900010

Type	Qty.	Order No.
PAC-UNIV-HE10-HE10-1M		1349630010
PAC-UNIV-HE14-HE14-1M		1349640010
PAC-UNIV-HE16-HE16-1M		1349650010
PAC-UNIV-HE20-HE20-1M		1349670010
PAC-UNIV-HE26-HE26-1M		1349680010
PAC-UNIV-HE34-HE34-1M		1349690010
PAC-UNIV-HE40-HE40-1M		1349700010
PAC-UNIV-HE50-HE50-1M		1349720010

Note

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

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

Accessories

Note



PAC-UNIV Universal sleeves

Pre-built sub-d cable according to IEC-807/DIN 41652.

- SUB-D to SUB-D connector
- SUB-D to wire-end ferrules
- Shielded cable

PAC-UNIV-D-F

SUB-D to wire-end ferrules



PAC-UNIV-D-D

SUB-D male-SUB-D male or female to female connector



Technical data

Rated data

Operating voltage
Permissible current strength per path, max.
Total current, max.
Resistance
Capacity wire / wires
Capacity wire / shield

Cable features

Cable
Material
Wire cross-section

General data

Ambient temperature (operational)
Storage temperature

≤ 60 V DC ≤ 25 V AC

1.00

3.00

≤ 80 mΩ/m

300 pF/m

300 pF/m

Cable LiYCY

PVC

0.25 mm²

-10...+50°C

-10...+60 °C

≤ 60 V DC ≤ 25 V AC

1.00

3.00

≤ 80 mΩ/m

300 pF/m

300 pF/m

Cable LiYCY

PVC

0.25 mm²

-10...+50°C

-10...+60 °C

Note

Ordering data

9-pole male connector
15-pole male connector
25-pole male connector
37-pole male connector
50-pole male header
9-pole female connector
15-pole female connector
25-pole female connector
37-pole female connector
50-pole female connector

Type	Qty.	Order No.
PAC-UNIV-D9M-F-1M		1350400010
PAC-UNIV-D15M-F-1M		1350420010
PAC-UNIV-D25M-F-1M		1350430010
PAC-UNIV-D37M-F-1M		1350440010
PAC-UNIV-D50M-F-1M		1350450010
PAC-UNIV-D9F-F-1M		1350470010
PAC-UNIV-D15F-F-1M		1350480010
PAC-UNIV-D25F-F-1M		1350490010
PAC-UNIV-D37F-F-1M		1350500010
PAC-UNIV-D50F-F-1M		1350520010

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

Type	Qty.	Order No.
PAC-UNIV-D9M-D9M-1M		1349750010
PAC-UNIV-D15M-D15M-1M		1349780010
PAC-UNIV-D25M-D25M-1M		1349800010
PAC-UNIV-D37M-D37M-1M		1349830010
PAC-UNIV-D50M-D50M-1M		1349850010
PAC-UNIV-D9F-D9F-1M		1349870010
PAC-UNIV-D15F-D15F-1M		1349890010
PAC-UNIV-D25F-D25F-1M		1349920010
PAC-UNIV-D37F-D37F-1M		1349930010
PAC-UNIV-D50F-D50F-1M		1349940010

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.

PAC-UNIV Universal sleeves

PAC-UNIV Universal sleeves

Pre-built sub-d cable according to IEC-807/DIN 41652.

- SUB-D to SUB-D connector
- SUB-D to wire-end ferrules
- Shielded cable

PAC-UNIV-D-D

SUB-D male-female connector



Technical data

Rated data
Operating voltage
Permissible current strength per path, max.
Total current, max.
Resistance
Capacity wire / wires
Capacity wire / shield
Cable features
Cable
Material
Wire cross-section
General data
Ambient temperature (operational)
Storage temperature

≤ 60 V DC ≤ 25 V AC
1.00
3.00
≤ 80 mΩ/m
300 pF/m
300 pF/m
Cable LiYCY
PVC
0.25 mm²
-10...+50 °C
-10...+60 °C

Note

Ordering data

9-pole male connector
15-pole male connector
25-pole male connector
37-pole male connector
50-pole male connector

Type	Qty.	Order No.
PAC-UNIV-D9M-D9F-1M	1	1349950010
PAC-UNIV-D15M-D15F-1M		1349970010
PAC-UNIV-D25M-D25F-1M		1349980010
PAC-UNIV-D37M-D37F-1M		1349990010
PAC-UNIV-D50M-D50F-1M		1350000010

Note

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

Accessories

Note

Note

PAC-ELCO Pre-made cables for RS ELCO interfaces

PAC-ELCO



Technical data

Rated data	
Operating voltage	250 V
Permissible current strength per path, max.	1.00
Total current, max.	3.00
Resistance	≤ 80 mΩ/m
Capacity wire / wires	300 pF/m
Capacity wire / shield	300 pF/m
Cable features	
Cable	Cable LiVCY
Material	PVC
Wire cross-section	0.25 mm ²
General data	
Ambient temperature (operational)	-10...+50 °C
Storage temperature	-10...+60 °C

Note

Ordering data

Type	Qty.	Order No.
20-pole socket / 20-pole socket	1	7789760010
20-pole socket / Ferrules	1	7789761010
38-pole socket / 38-pole socket	1	7789762010
38-pole socket / Ferrules	1	7789763010
56-pole socket / 56-pole socket (32-pole connected only)	1	7789773010
56-pole socket / Ferrules (32-pole connected only)	1	7789774010
56-pole socket / 56-pole socket (54-pole connected only)	1	7789775010
56-pole socket / Ferrules (54-pole connected only)	1	7789776010
56-pole socket / 56-pole socket	1	7789764010
56-pole socket / Ferrules	1	7789765010

Note

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

Accessories

Note

Card holders

Card holders	Introduction	D.2
	Card holders	D.4

Card holders



Card holders are used for adapting Euro 19" format (100 x 160 mm) cards to plug-in connectors acc. to IEC 603/DIN 41612 and DIN 41617.

Cardholders can be used in industrial applications when:

- Adapting several 19" cards: As well as saving on the cost of a rack, accessibility is improved, because usually racks are only accessible from behind.
- The PCB card is in a remote position, making it difficult to install the cabling.
- It is necessary to extend legacy systems by adding more electronic modules.
- There are processes where quick replacement of the printed circuit and easy handling of connections is important.

Card holders have the following individual components:

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



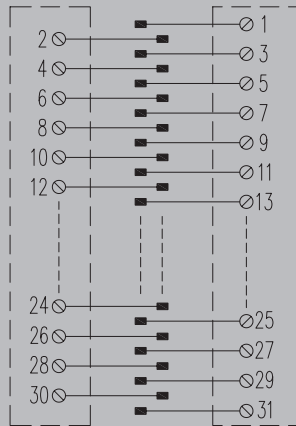
Card holders

SKH2 Card holders

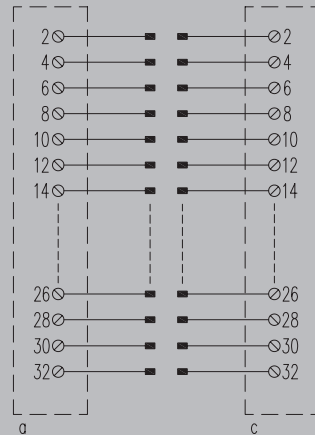
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH2 31



SKH2 D32 LP



Technical data

Connection data
Connection on control side
Type (control side)
Number of poles (control side)
Contact assembly
Design of the pluggable board
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)

Plug-in connector, acc. to DIN 41617 female
31-pole female
a and b
100x160 mm euro format for 19" racks
125 V AC / 150 V DC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 150 V AC
II
2
1.5 kV

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

Dimensions
Clamping range, min. / max. [Field]
Length x width x height

0.13 mm ² / 6 mm ²
60.7 mm / 160 mm / 192.5 mm

0.13 mm ² / 6 mm ²
55 mm / 160 mm / 192.5 mm

Note

Ordering data

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

Type	Order No.
SKH2 D32 LP	8174830000

Note

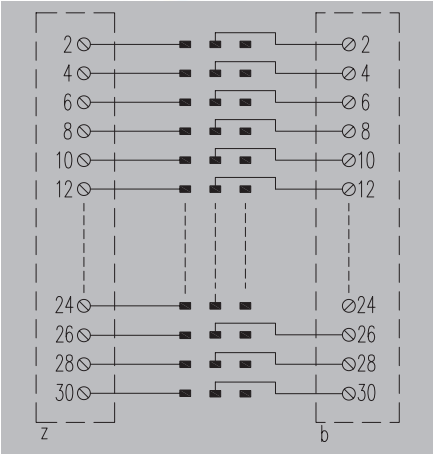
Accessories

Note

Kit for connection to TS35 8209340000

Kit for connection to TS35 8209340000

SKH2 F32 Z+B



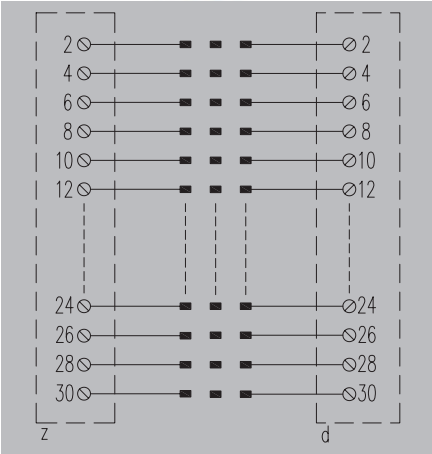
Plug-in connector, acc. to DIN 41612 female
32F
32-pole female
z and b
100x160 mm euro format for 19" racks
250 V UC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
250 V
II
2
2.1 kV

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

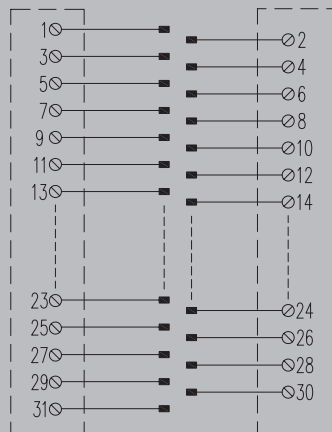
Card holders

SKH

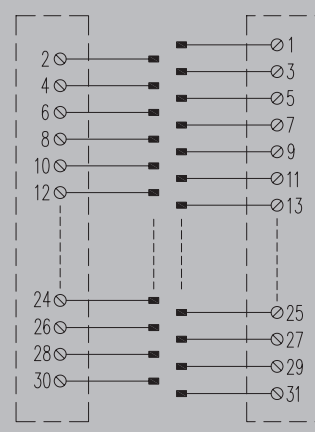
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH31



SKH31 250VAC



Technical data

Connection data
Connection on control side
Type (control side)
Number of poles (control side)
Contact assembly
Design of the pluggable board
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)

Plug-in connector, acc. to DIN 41617 female
31-pole female
a and b
100x160 mm euro format for 19" racks
125 V AC / 150 V DC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 150 V AC
II
2
1.5 kV

Plug-in connector, acc. to DIN 41617 female
31-pole female
a and b
100x160 mm euro format for 19" racks
250 V UC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
250 V
II
2
2.1 kV

Dimensions
Clamping range, min. / max. [Field]
Length x width x height

0.13 mm ² / 6 mm ²
47.5 mm / 131 mm / 144 mm

0.13 mm ² / 6 mm ²
47.5 mm / 131 mm / 144 mm

Note

Note

Note

Ordering data

1 clamping bracket
2 clamping brackets

Type	Order No.
SKH 31 LP RH1	0586661001

Type	Order No.
SKH 31 LP 250VAC RH1	0648661001

Note

Note

Note

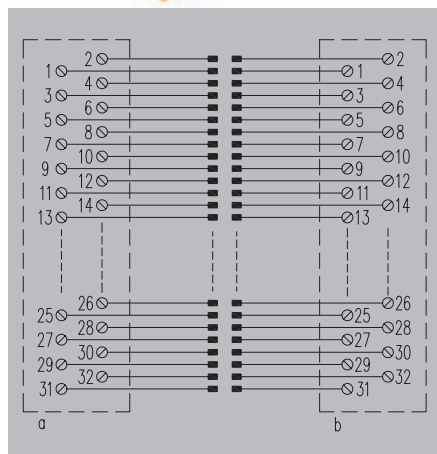
Accessories

Note

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

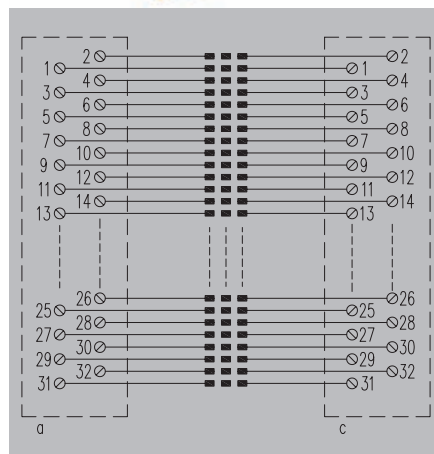
0.13 mm² / 6 mm²

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

C64

64-pole female

a and c

100x160 mm euro format for 19" racks

125 V AC / 150 V DC

1 A

0...+55°C

-40...+60 °C

CE; GOSTME25

< 150 V AC

II

2

1.5 kV

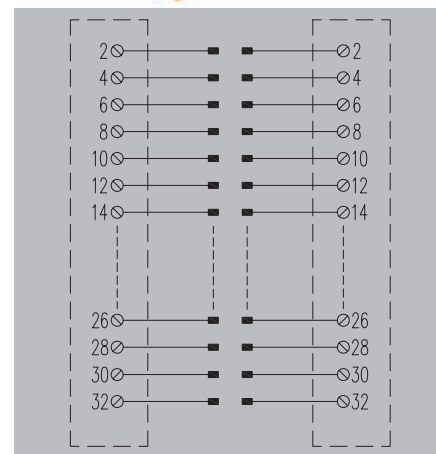
0.13 mm² / 6 mm²

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

D32

32-pole female

a and c

100x160 mm euro format for 19" racks

250 V UC

4 A

0...+55°C

-40...+60 °C

CE; GOSTME25

250 V

II

2

2.1 kV

0.13 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

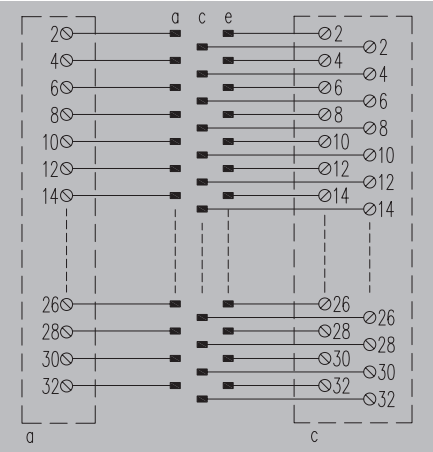
Card holders

SKH

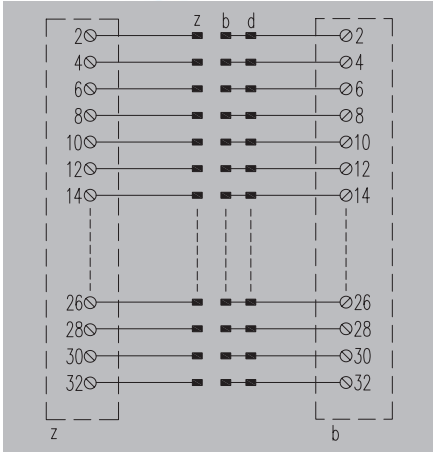
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH E48



SKF F32 Z+B



Technical data

Connection data
Connection on control side
Type (control side)
Number of poles (control side)
Contact assembly
Design of the pluggable board
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)

Plug-in connector, acc. to DIN 41612 female
48E
48-pole female
e, c, a
100x160 mm euro format for 19" racks
125 V AC / 150 V DC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 150 V AC
II
2
1.5 kV

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

Dimensions

Clamping range, min. /max. [Field]
Length x width x height

0.13 mm ² / 6 mm ²
69 mm / 131 mm / 144 mm

0.13 mm ² / 6 mm ²
50.8 mm / 131 mm / 144 mm

Note

Ordering data

1 clamping bracket
2 clamping brackets

Type	Order No.
SKH E48 LP2/LP	0690660000

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

Note

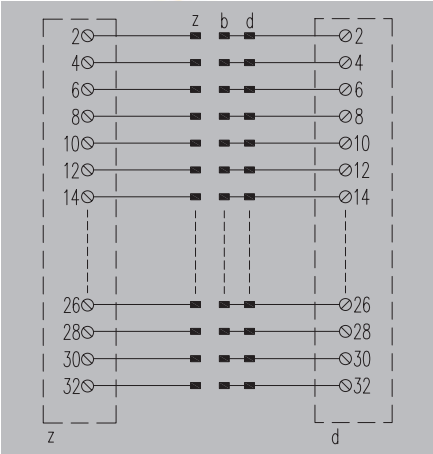
Accessories

Note

Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000
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Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000
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SKF F32 Z+D



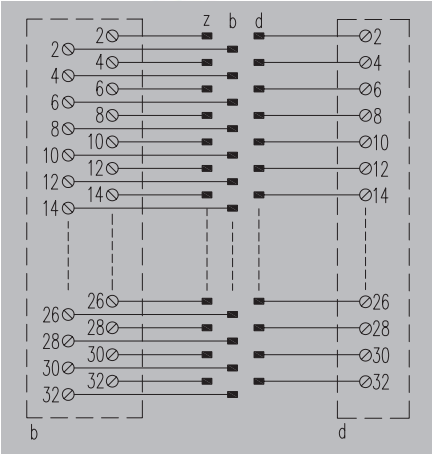
Plug-in connector, acc. to DIN 41612 female
32F
32-pole female
z and d
100x160 mm euro format for 19" racks
250 V UC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
250 V
II
2
2.1 kV

0.13 mm ² / 6 mm ²
50.8 mm / 131 mm / 144 mm

Type	Order No.
SKH F32 (Z&D) LP RH2	0586961001

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

SKH F48



Plug-in connector, acc. to DIN 41612 female
48F
48-pole female
z, b, d
100x160 mm euro format for 19" racks
125 V AC / 150 V DC
4 A
0...+55°C
-40...+60 °C
CE; GOSTME25
< 150 V AC
II
2
1.5 kV

0.13 mm ² / 6 mm ²
56 mm / 131 mm / 144 mm

Type	Order No.
SKH F48	0587060000

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

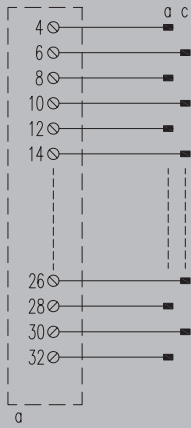
Card holders

SKH

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

- Screw connection
- Installed on TS 35 rail with accessories

SKH H15



Technical data

Connection data
Connection on control side
Type (control side)
Number of poles (control side)
Contact assembly
Design of the pluggable board
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination (EN50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)

Plug-in connector, acc. to DIN 41612 female
15H
15-pole female
a and c
100x160 mm euro format for 19" racks
250 V UC
10 A
0...+55°C
-40...+60 °C
CE; GOSTME25
250 V
II
2
2.1 kV

Dimensions
Clamping range, min. /max. [Field]
Length x width x height

0.13 mm ² / 6 mm ²
56 mm / 131 mm / 144 mm

Note

Ordering data

1 clamping bracket
2 clamping brackets

Type	Order No.
SKH H15S	8051300000

Note

Accessories

Note

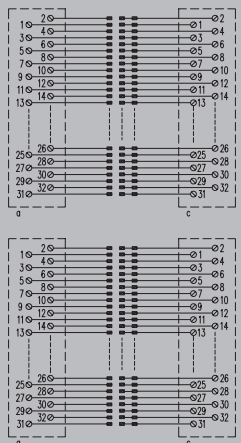
Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000
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SKH x 2

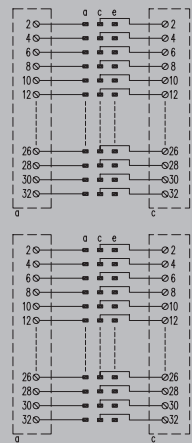
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on TS 35 rail with accessories

SKH 2XC64 A+C



SKH 2XD32 A+C



Technical data

Connection data

Connection on control side
Type (control side)
Number of poles (control side)
Contact assembly
Design of the pluggable board

Rated data

Rated voltage
Rated current per connection

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination (EN50178)

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

Plug-in connector, acc. to DIN 41612 female

64C

64-pole female

a and c

233x160 mm double euro format for 19" enclosures

125 V AC / 150 V DC

1 A

0...+55°C

-40...+70 °C

CE; GOSTME25

125 V AC

II

2

1.1 kV

Plug-in connector, acc. to DIN 41612 female

32D

32-pole female

a and c

233x160 mm double euro format for 19" enclosures

125 V AC / 150 V DC

4 A

0...+55°C

-40...+70 °C

CE; GOSTME25

125 V AC

II

2

1.1 kV

Dimensions

Clamping range, min. / max. [Field]
Length x width x height

0.13 mm² / 6 mm²

69 mm / 286 mm / 144 mm

0.13 mm² / 6 mm²

69 mm / 286 mm / 144 mm

Note

Ordering data

1 clamping bracket

Type

SKH C64*2 (A&C) RH2

Order No.

8013120000

Type

SKH D32*2 LP5.08/16 RH2

Order No.

8050981001

Note

Accessories

Note

Kit for connection to TS35: Installation motherboard 2051430000 and mounting foot TS35 0687900000

Kit for connection to TS35: Installation motherboard 2051430000 and mounting foot TS35 0687900000

Weidmüller Solutions & Service

Weidmüller Solutions & Service	Customer specific solutions: best advice, best solutions	V.2
	Digital support: RailDesigner®, Product Assistant for Distribution Boxes, Online product catalogue, M-Print® PRO label designer	V.8

Application specific solutions – Your requirements are our motivation

Each industry has its own requirements calling for more and more individual solutions aside from standard products. Your new product might have to contend with severe conditions. Many applications are subjected to high mechanical strains – through vibration or directly applied forces. Extreme temperature conditions or an application in hazardous areas are further factors your product must be able to comply with. We can offer you highly competent expertise to support you in the selection of ideal products, whatever your application. Feel free to contact us!

From custom product development, customer-specific assembly or application-specific products that are ready for use - we can help you to optimise your working processes and ensure your company's sustained efficiency, today, as well as for the future.

Individual product development

Working closely with you, we can develop individual and future-proof products using the latest technologies and which are specifically tailored to your application.

Customer-specific assembly

Our highly-skilled production expertise and broad product portfolio means that we can deliver superior solutions to meet and exceed your specification requirements.

Application-specific products

Our cross-industrial solutions set standards: Set up for your application, instantly ready for use and available from stock.



Individual product development for your success

We have a passion for simple, innovative solutions

Working with you, we can develop innovative and future-oriented products tailored to your application. Our philosophy is „one customer - one product“. It is not the product that is the starting point, but you, your technical specifications and your requirements.

A connecting partnership

The development of individual products means making the most of the experience and competencies available in the partnership. Our project management provides a professional and quality approach - from concept and design through to development, implementation and production. Our extensive knowledge of electrical connectivity, enclosure and sealing technology, as well as signal conditioning are all at your disposal.

Benefit from a reliable partner:

- **Increase the efficiency of your development and production processes**

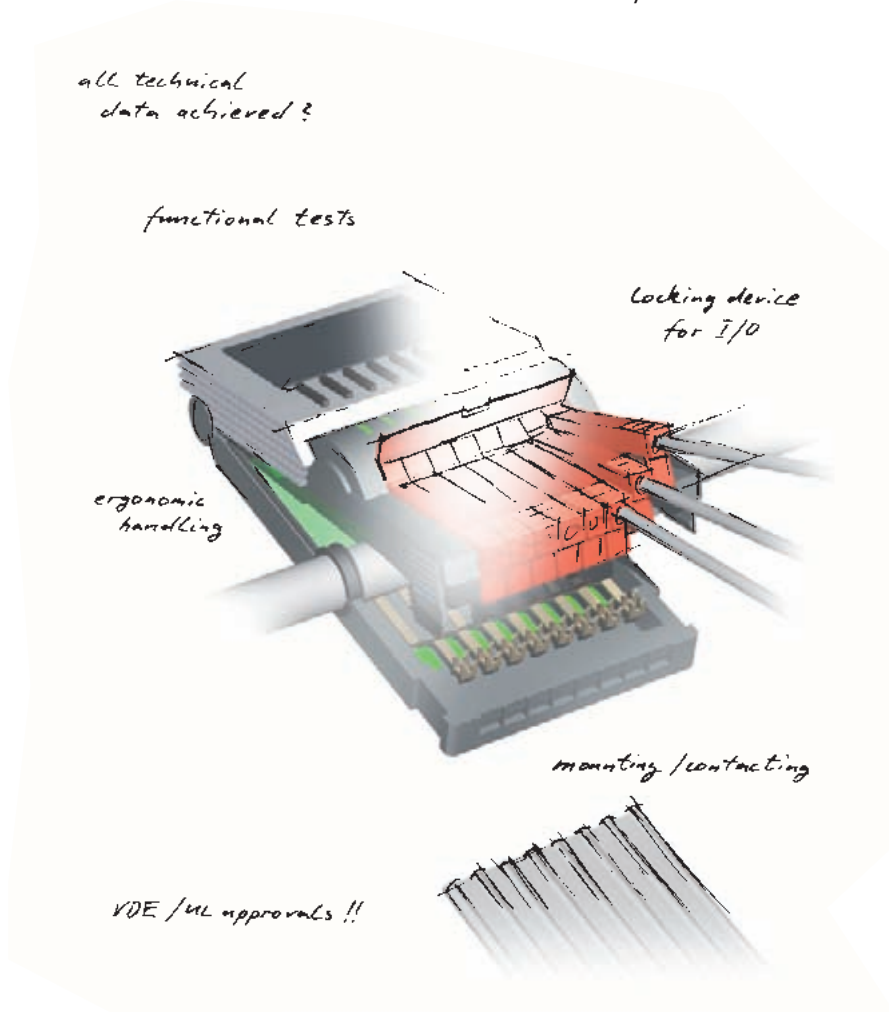
Outsourcing the development and production of your components will shorten your time-to-market. In addition, you have more time to concentrate on your core competencies.

- **Take advantage of our applications and production experience and expertise**

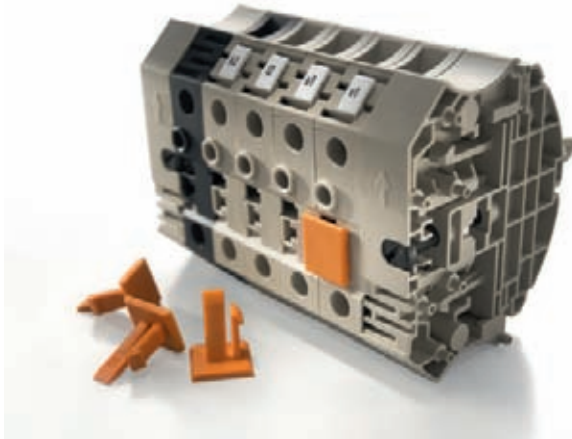
You can draw on the accumulated knowledge of our applications engineers and our specialists in the fields of connection technology, enclosure and surface technology, as well as metal and plastic processing, which is second to none.

- **Feel safe with the professional approach of our project management**

Through innovation workshops, feasibility studies and profitability analyses we define a requirement profile forming the basis for the further development process. In this way, you can be sure of the best possible products for your needs.



Application specific products – solutions for industries and markets



Industries and applications often have similar or even identical requirements for products or product assemblies. Application specific products that are based on earlier realised solutions are now directly available from stock.

Your advantage: You quickly get a suitable and cost-efficient solution.

Cross industrial solutions as standard

It is our aim to develop solutions that offer the additional advantage of a truly flexible design. Although this may mean an application-specific product may have an additional input or terminal you don't need, it can still be much cheaper than having a custom-made solution. Therefore, you not only save time, but money!



Reap multiple benefits:

- **High availability**

Application specific products are available from stock without delay. So you can rely on the delivery of your products when you need them.

- **Advice from application engineers**

Using the expertise of our applications engineers means that you can develop the solutions that are not only right, but which deliver added value to your applications.

- **Supportive software**

Project planning and evaluation is made easy with our software solutions such as NetCalc, RailDesigner® or Softclinic.

- **Worldwide application centres**

We stay in constant dialogue with our worldwide application centres, ensuring that our own application knowledge is shared, kept up to date and at your disposal anywhere you need us.



Customer specific assembly, tailored configuration



You may be looking to bring costs down and increase your efficiency. It may be that you would like more time to focus on your core competencies. You could be looking for a partner who will sent up intelligent solutions for you, that you can trust to deliver your specific requirements. Here at Weidmüller, we have a wealth of expertise, capability, and capacity to deliver custom solutions that are flexible, economically advantageous and on time.

We offer to work closely with you, providing support and advice, and in putting together the job specification. Furthermore, our broad product portfolio means that we can jointly work together on the selection of the best components to make up your custom solution.

Highest levels of professional production

You have complete access to our highly-skilled project management team and our production expertise, for example, in the ATEX area. We can offer you a comprehensive portfolio of customer-specific assemblies, from simple assembly to the modification of existing electronics products.

Our services include:

- Adaptation and assembly of enclosures for all IP protection classes
- ATEX solutions for hazardous areas
- Assembly of heavy duty connectors
- Assembly of terminal strips
- Customer specific electronics solutions
- Cable assembly



Take advantage of:

- **Simple ordering and stockholding information**

One solution – one item number! It will no longer be necessary to order single components. Article variety and stockholding will be reduced.

- **Professional assembly**

All individual components will be pre-assembled, reducing your own assembly time and costs.

- **Less costs for documentation**

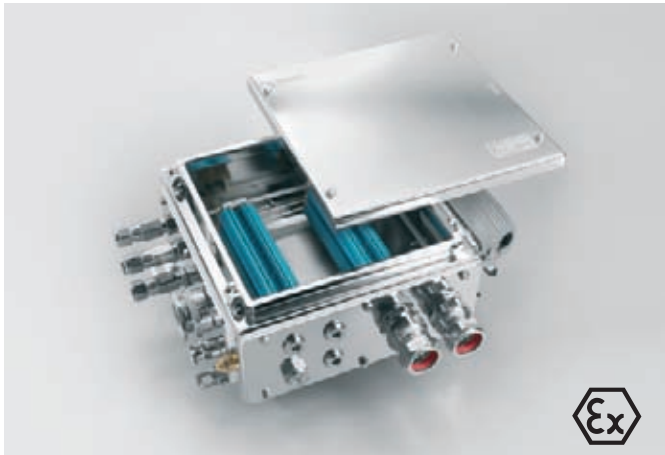
Our RailDesigner® software will facilitate the generation of parts lists or drawings.

- **Modern processing of enclosures**

Our CNC processing centres can adapt the enclosures to suit your tailored solution.

Customer specific assembly – consultation, product, development and production – all from a single source

Our application and manufacturing expertise influences decisions on all areas of modern connection technology. They therefore play an integral part of every solution.



Enclosures

Perfect protection and safety

- Enclosures for all IP protection classes
- ATEX enclosures for hazardous areas
- Placement of inspection glasses, drill holes and threads
- Elaborate machining operations like the milling of contours
- Class C5 welding, according to DIN 6700, for stainless steel and sheet steel enclosures
- Surface coating as and when required
- Individual device and system markers



Heavy duty connectors

Perfect connection with system

- Placement of drill holes and cable glands
- Equipped with plug-and-play components
- Wiring of subassemblies
- Cable assembly
- All housings are available with individual laser marking



Terminal strips

Configuration made to measure

- Machining of mounting rails
- Snapping components onto terminal rails
- Placement of cross connections
- Mounting of standard conductors
- Marking of terminals, devices, conductors and cables



Electronics

Individual solution from the beginning

- Modular terminal blocks, component plugs, snap on bases, enclosures for electronics: integration of relevant electronic components
- Snap-on base: Component carrier design or simple wiring of the modules
- Interface units
- Modification of existing electronic products: Modification of the circuitry or specific calibration
- Combination of components: Relays or optocouplers in combination with other components



Cable assembly

Our special service

- Pre cutting of cables and conductors
- Installation of
 - Heavy duty connectors
 - PCB connectors or DIN connectors
- Conditioning of wire ends
- Mounting of wire end ferrules and cable lugs
- Connection of conductors to terminal rails

RailDesigner®

A faster way to configure and order terminal strips



These days, time and cost efficiency are of the essence when it comes to working in planning and production. RailDesigner®, our free configuration and purchasing software, uses its virtual assembly of mounting rails (assembled or unassembled) to help you with the design of your own completely personal solution.

RailDesigner® brings you substantial benefits:

Less time required

It speeds up the process of acquiring quotations and placing orders because, for example, all processes can be initiated directly from the software. You configure your projects and the rest virtually takes care of itself!

User friendly operation

Any potential errors are prevented by automatic installation tips and clear project processing and management. So that you can plan your project realistically, RailDesigner® offers both 2D and 3D displays.

Wide selection from the current product portfolio

"You can easily download software updates for RailDesigner® from the internet. This means that you will always have access to the latest version of our product database."

Project planning that is compatible with your software

Plan and design your projects easily using your usual CAE software. With the integrated interface, transferring data from your CAE system has never been so simple. You can export component lists and terminal strip designs in various formats. Marking data is automatically transferred to the M-Print® Pro labelling software.

Simple purchasing of terminal strips

Once you have completed the planning stages of your projects in RailDesigner®, you can choose to send all of your data to us by email. Then we take over the assembly and deliver the required configuration to you, along with anything else that you still require for your project.

Download the software for free and discover the advantages to using RailDesigner® at **www.raildesigner.de**

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.

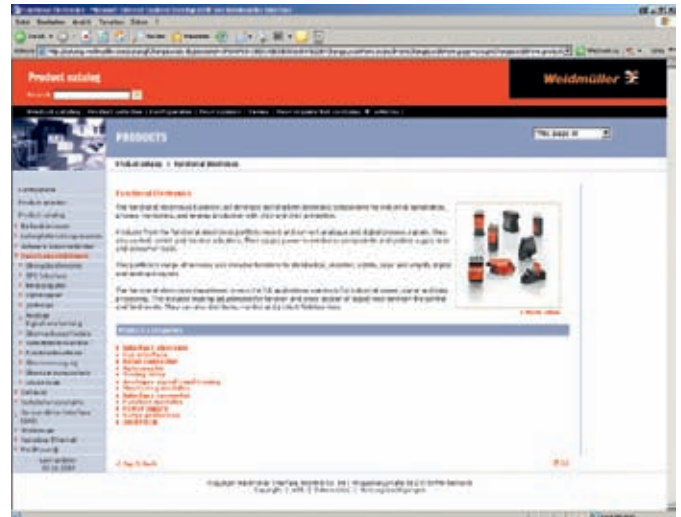
The product assistant is available at <http://galaxy.weidmueller.com>

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

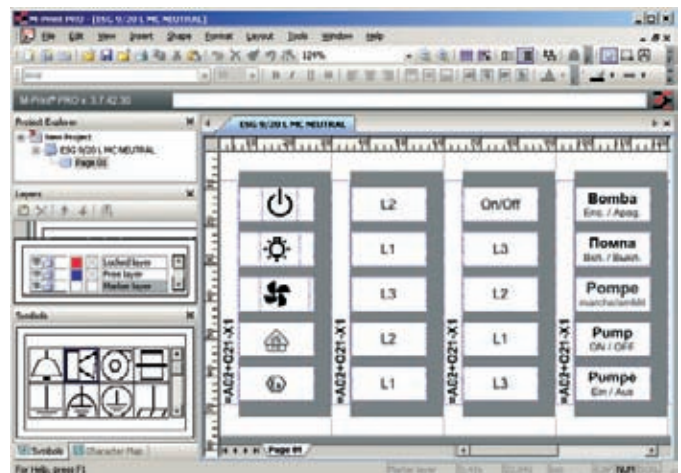


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