

PLC interfaces and migration solutions

Let's connect.

Version 2020



PLC interfaces and migration solutions

Catalogue 4.5

PLC interfaces and migration solutions

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Passive interfaces for general applications

Isolated Interfaces and solutions for general applications

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Migration Systems

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Service and Support

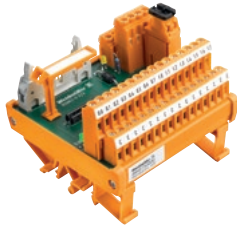
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PLC interfaces and migration solutions

RS IO

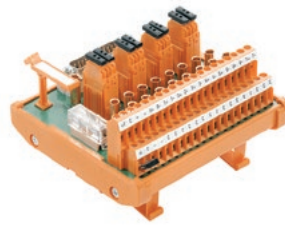
Page A.35



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

RS A

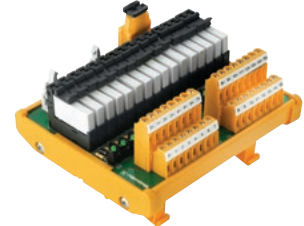
Page A.51



- 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

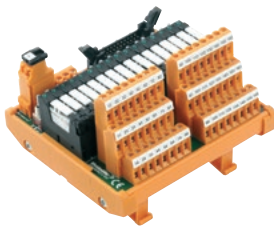
Page A.57



- Isolated digital inputs interfaces for PLCs
- Ribbon connection cable 20 pole
- Screw or tension clamp connection

RSM

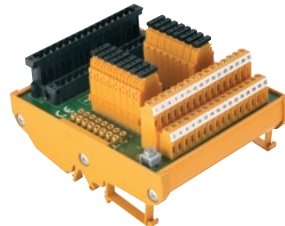
Page A.61



- Isolated interfaces for digital outputs for PLCs
- Ribbon connection cable 20 pole
- With narrow 6 mm relay or standard RCL
- Screw, tension clamp and PUSH IN connection

FTA-C300

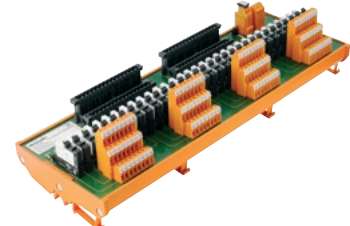
Page B.5



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

FTA-C300-RSLIM

Page B.12



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

C300 / PAC-C300

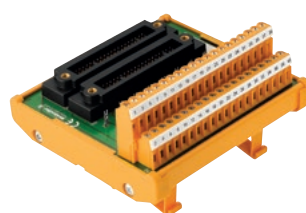
Page B.13



- Pre-assembled cables for Honeywell C300
- Premium range (with housing) and Basic range (without housing)

TBY-C3

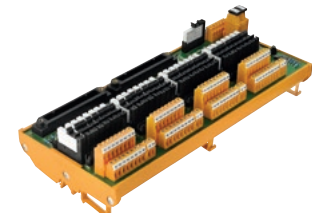
Page C.5



- Passive Interfaces for CS3000 digital and analogue cards
- 2 KS (40 poles) or AKB (50 poles) connectors for redundancy
- With LED, fuses, disconnectors
- Screw and tension clamp connection

TBY-ADV

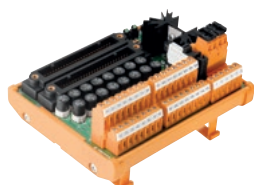
Page C.11



- Isolated Interfaces for CS3000 digital cards
- 2 AKB (50 poles) connectors for redundancy
- 6.4mm relays with fuses and disconnectors
- Screw and tension clamp connection

TBY-RS

Page C.17



- Passive Interfaces for ProSafe digital and analogue cards
- 2 KS (40 poles) or AKB (50 poles) connectors for redundancy
- With LED, fuses, disconnections
- Screw and tension clamp connection

PAC-YOK-MIL

Page C.26



- Pre-assembled cable for Yokogawa CS3000 and ProSafe
- MIL connector - MIL connector
- MIL connector - ferrules
- Colour code according DIN 47100

BKP

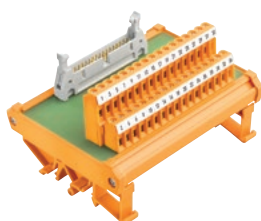
Page C.30



- Backplane for Digital outputs SIL relays with alarm (as optional)

RS F

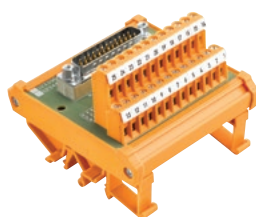
Page D.6



- Interface for ribbon cable in accordance with IEC 60603-1/ DIN 41651
- Connection 1:1
- 10 to 64 poles

RS SD

Page D.8



- Interface for connector SUB-D in accordance with IEC 60807-2/ DIN 41652
- Connection 1:1
- 9 to 50 male or female poles

RS SD HD

Page D.10



- Interface for connector SUB-D high-density
- Connection 1:1
- 15, 26, 44, 62 poles
- Screw connection

RS RJ45

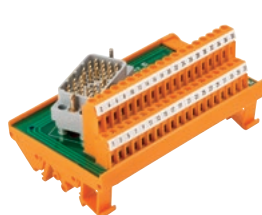
Page D.11



- Interfaces with RJ45 connector
- Connection 1:1

RS ELCO

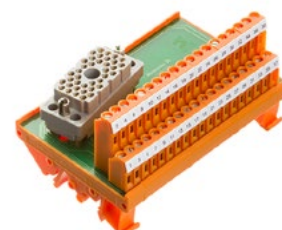
Page D.12



- Interface with male ELCO plug-in connectors
- Screw or tension clamp connection

RS ELCO F

Page D.12



- Interface with female ELCO plug-in connectors
- 20 to 56 poles
- Screw connection

PLC interfaces and migration solutions

RSX

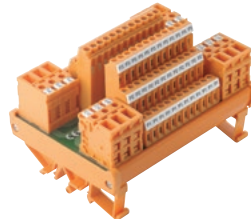
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- Axial components such as resistors, diodes and capacitors, can be soldered into the RSX component modules

RS VERT

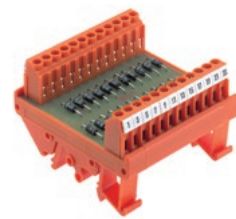
Page D.18



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

RSD

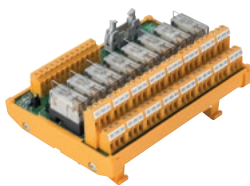
Page D.21



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

RSM 1CO/2CO

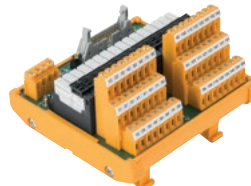
Page E.5



- Relay interface 1 or 2 changeover
- From 4 to 16 electromechanical relays
- Positive or negative switching or ac/dc
- Flat-connector available to make easy the connection to PLC'S
- Compatible with solid-state relays
- Screw, PUSH IN and tension clamp connection

RSMS 1CO

Page E.13



- Relay interface 1 changeover
- From 8 to 16 electromechanical relays
- Positive or negative switching or ac/dc
- Flat-connector available to make easy the connection to PLC'S
- Compatible with solid-state relays
- Screw and tension clamp

TIA F10

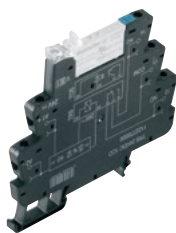
Page E.47



- TERMESERIES interface adapter for PLC wiring
- For 8-16 relays RSS
- For 8 relays RCL
- Sub-d and flat-connector connection

TRS

Page E.51



- All-purpose, pluggable relay modules
- Space-saving width
- AgNi contact with and without gold plating
- Screw and tension clamp connection

PAC-UNIV-HE

Page F.3



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

PAC-UNIV-D

Page F.4



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

PAC-HD

Page F.6



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

PAC-ELCO

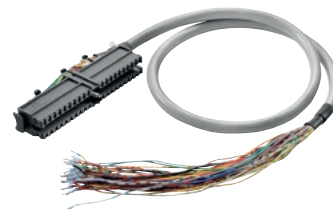
Page F.8



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

PAC-UNIV

Page F.9



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

FAD S5115

Page G.12



- Front adapters for migrations from Siemens S5-115
- Clip-in foot for TS35

FAD S5135

Page G.16



- Front adapters for migrations from Siemens S5-135

FAD BLK9

Page G.23



- Front adapters for migrations from Schneider TSX
- Clip-in foot for TS35

FAD 1771

Page G.25



- Front adapters for migrations from Rockwell PLC5
- Clip-in foot for TS35

MIGRATION RACK

Page G.30



- 19" racks
- Same dimensions as the original Siemens or Schneider racks

SKH

Page H.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 DELTA V	- Selection guide A.13
	GE FANUC RX3i	- Selection guide A.14
	HONEYWELL C200	- Selection guide A.15
	mitsubishi MELSEC Q	- Selection guide A.16
	MOELLER XIOC	- Selection guide A.17
	OMRON - CJ1W	- Selection guide A.18
	ROCKWELL - COMPACT LOGIX	- Selection guide A.19
	ROCKWELL - CONTROL LOGIX	- Selection guide A.20
	ROCKWELL - MICRO LOGIX 1400	- Selection guide A.21
	SCHNEIDER - M258	- Selection guide A.22
	SCHNEIDER - M340 / M580	- Selection guide A.23
	SCHNEIDER - MICRO	- Selection guide A.24
	SCHNEIDER - PREMIUM	- Selection guide A.25
	SCHNEIDER - QUANTUM	- Selection guide A.26
	SCHNEIDER - TWIDO	- Selection guide A.27
	SIEMENS - S7-200	- Selection guide A.28
	SIEMENS - S7-300 / ET-200M	- Selection guide A.29
	SIEMENS - S7-400	- Selection guide A.32
	SIEMENS - S7-1200	- Selection guide A.33
	SIEMENS - S7-1500	- Selection guide A.34
	RS IO - Selection guide for passive interfaces for digital signals	A.35
	RS IO - Passive interface for digital signals	A.36
	RS A - Selection guide for passive interfaces for analogue signals	A.51
	RS A - Passive interface for analogue signals	A.52
	RSM - Selection guide for insulated interfaces for digital input signals	A.57
	RSM - Isolated interfaces for digital input signals	A.58
	RSM - Selection guide for insulated interfaces for digital output signals	A.61
	RSM - Isolated interfaces for digital output signals	A.62

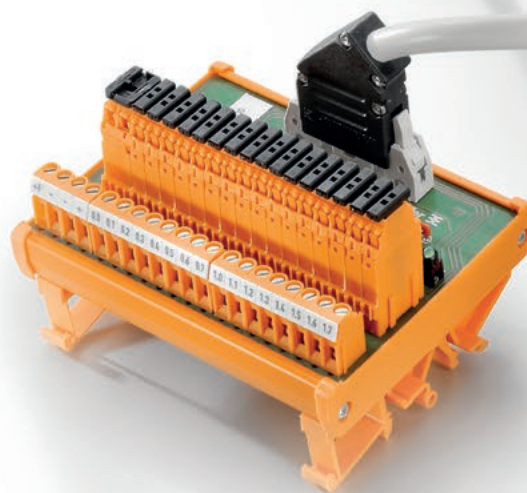
Universal solutions for PLC input/output cards

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.

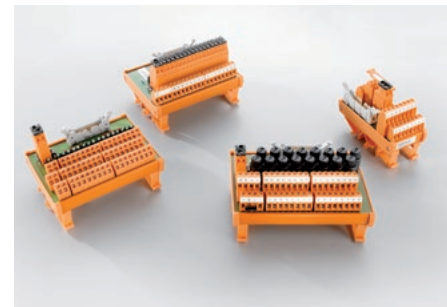
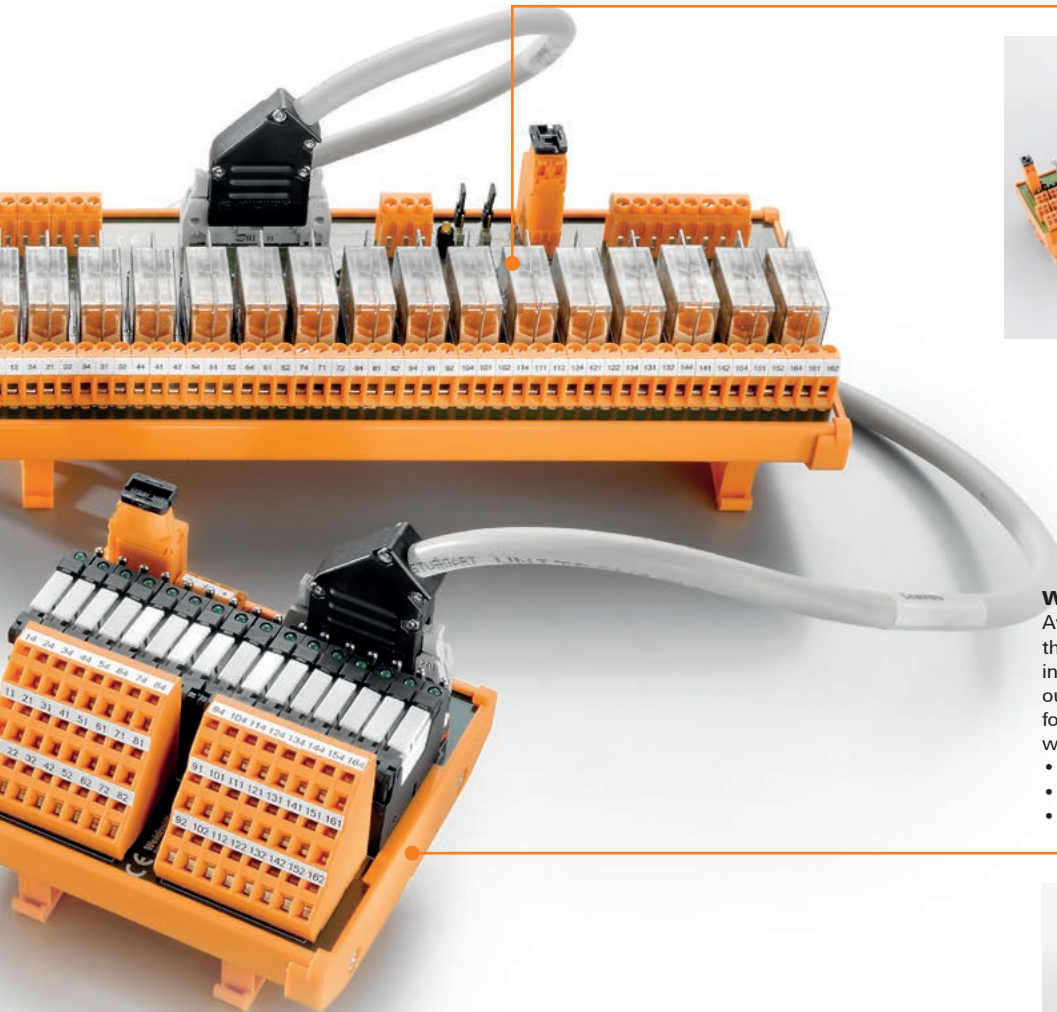
PLC SIEMENS – S7-300 / ET-200M

Module	I/O		Supply	Number of channels	Number of relays	Number of contacts
	Input	Output				
6ES7 312-1CG03-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG04-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG05-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG06-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG07-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG08-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG09-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG10-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG11-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG12-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG13-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG14-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG15-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG16-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG17-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG18-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG19-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG20-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG21-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG22-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG23-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG24-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG25-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG26-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG27-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG28-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG29-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG30-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG31-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG32-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG33-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG34-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG35-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG36-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG37-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG38-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG39-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG40-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG41-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG42-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG43-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG44-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG45-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG46-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG47-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG48-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG49-0AB0	16 DI	16 DO	24VDC	16	16	16
6ES7 312-1CG50-0AB0	16 DI	16 DO	24VDC	16	16	16

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:

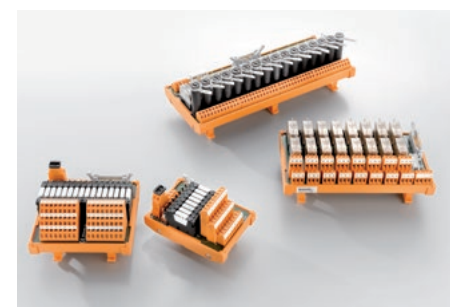
- LED indication
- Fuse
- Disconnector
- Test leads



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 CJ1W
- Rockwell Compact Logix , Control Logix and Micro Logix
- Schneider Micro, Premium, Twido, Quantum, M340 and M258
- Siemens S7-200, S7-300, S7-400, S7-1200 and S7-1500

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.

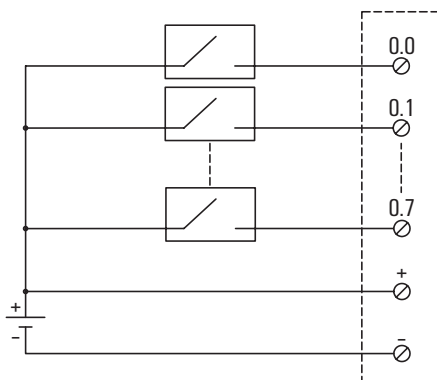
The range has been designed for 8, 12, 16 and 32 signals in tension clamp or screw connection and you can choose additional functions including:

- LED
- Fusible
- Interruptor

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

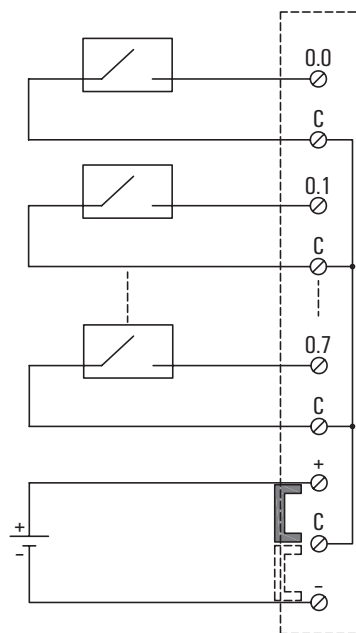
1-wire system:

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



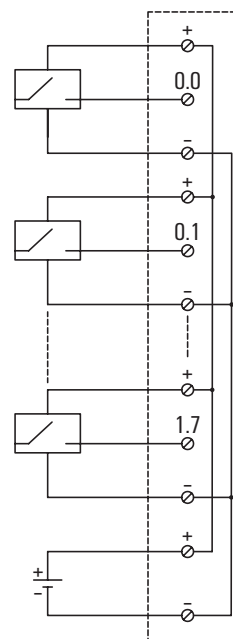
2-wire system:

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



3-wire system:

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



Universal solutions for PLC input/output cards

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

The digital signals used by PLCs are usually 24V DC or a maximum of 48 V DC. Nevertheless, a few cards also work at higher voltages, up to 230 V AC.

For these voltages, the insulation distance between channels has to be increased up to values that the ribbon cable connector is not able provide. In this case, interfaces supplied with RSV connectors have been included in the range.



Analogue input/output interfaces (S System)

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



Insulated digital input/output interfaces

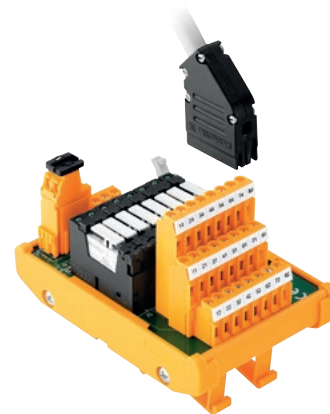
The insulated digital input/output interfaces are used, when necessary, to isolate the PLC signal from the field signal, normally when adapting voltages between the field components and the PLC operational voltage.

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

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

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

In addition, the relays also can be replaced by the Weidmüller solid-state-relays.



Pre-assembled cables

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



Each pre-assembled cable has the following features:

- PLC connector: The original connector of the manufacturer is used.
- Interface Connector: 3 types of connectors are used according to the interface they connect to.
 - Ribbon cable connectors - which are supplied with a hood to protect them from cable extraction forces and ensure secure and reliable connection.
 - Very robust 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 47100.

Table of colour codes according to DIN 47100

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		

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 and 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

A

Universal solutions for PLC input/output cards

A

Selection guide

PLC SIEMENS - S7-300 / ET-200M

DI/DO	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
16 DI	6ES7323-1BL00-0AA0	16 DI	7789236xxx	1	H2016	1	I2016	1	O2016	1
	6ES7331-7HF01-0AB0	8AI	7789801xxx	1	H20	1				
8 AI	6ES7331-1KF01-0AB0	8 AI	7789604xxx	1	A3716	1				
	6ES7331-1KF02-0AB0	8 AI	7789604xxx	1	A3716	1				
2 AI	6ES7331-7KB01-0AB0	2 AI	7789224xxx	1	A1504	1				
	6ES7331-7KB02-0AB0	2 AI	7789224xxx	1	A1504	1				
8 AI	6ES7331-7KF00-0AB0	8 AI	7789229xxx	1	A2508	1				
	6ES7331-7KF01-0AB0	8 AI	7789229xxx	1	A2508	1				
8 AI	6ES7331-7KF02-0AB0	8 AI	7789231xxx	1	A3716	1				
	6ES7331-7NF00-0AB0	8 AI	7789233xxx	1	A2508	1				

Selection guide

DI/DO	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
4 AI	6ES7331-7KF01-0AB0	4 AI	7789759xxx	1	H40	1				
	6ES7331-7KF02-0AB0	4 AI	7789759xxx	1	H40	1				
2 AI	6ES7331-7KF01-0AB0	2 AI	7789230xxx	1	A2508	1				
	6ES7331-7KF02-0AB0	2 AI	7789230xxx	1	A2508	1				
4 AI	6ES7331-7KF01-0AB0	4 AI	7789759xxx	1	H40	1				
	6ES7331-7KF02-0AB0	4 AI	7789759xxx	1	H40	1				

RS IO - Selection guide for passive interfaces for digital signals

Number of channels	Type of wiring	Connection	Terminal clamp connection	LED by channel	Disconnectable	Fuse	Order No.	Type	Page
16-channel	16 DI	16 DI	16 DI	16 DI	16 DI	16 DI	8294291001	RS 232C LP2M 5/20	A.56
							8294291002	RS 232C	A.56
							8294481001	RS 485 LP2M 5/40	A.56
							8294481002	RS 485	A.56
12-channel	2-wire	2-wire	2-wire	2-wire	2-wire	2-wire	9465930000	RS 485 2WI L/R S	A.56
							9465930000	RS 1200 2WI L/R S	A.57
16-channel	16 DI	16 DI	16 DI	16 DI	16 DI	16 DI	9445700000	RS 1800 1W R/S	A.58
							9445710000	RS 1800 1W L/R S	A.58
							1311770000	RS 1800 1W L/R Z	A.58
							9445720000	RS 1800 1W R/S	A.58
							1311780000	RS 1800 1W L/R Z	A.58
							9445730000	RS 1800 2W R/S	A.60
							1311790000	RS 1800 2W R/S	A.60
							1311800000	RS 1800 2W L/R S	A.60
							9445740000	RS 1800 2W L/R S	A.61
							1311810000	RS 1800 2W L/R Z	A.61
							9445750000	RS 1800 2W L/R S	A.61
							1311820000	RS 1800 2W L/R Z	A.61
12-channel	2-wire	2-wire	2-wire	2-wire	2-wire	2-wire	9445760000	RS 1800 2W F R/S	A.64
							1311830000	RS 1800 2W F R/S	A.64
							9445770000	RS 1800 2W F L/R S	A.63
							1311840000	RS 1800 2W F L/R Z	A.63
8-channel	1-wire	1-wire	1-wire	1-wire	1-wire	1-wire	9445780000	RS 1800 1W R/S	A.65
							1311850000	RS 1800 1W L/R S	A.65
							9445790000	RS 1800 1W R/S	A.65
							1311860000	RS 1800 1W L/R S	A.65
8-channel	2-wire	2-wire	2-wire	2-wire	2-wire	2-wire	9445800000	RS 1800 2W R/S	A.65
							1311870000	RS 1800 2W L/R S	A.65
							9445810000	RS 1800 2W F R/S	A.66
							1311880000	RS 1800 2W F R/S	A.66
8-channel	1-wire	1-wire	1-wire	1-wire	1-wire	1-wire	9445820000	RS 1800 1W R/S	A.66
							1311890000	RS 1800 1W L/R S	A.66
							9445830000	RS 1800 1W R/S	A.66
							1311900000	RS 1800 1W L/R S	A.66

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 D)

H2008: Passive input/output 8-channel digital interface

H2012: Passive input/output 12-channel digital interface

H2016: Passive input/output 16-channel digital interface

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

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 D)

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

A37: Universal interface for pin to pin SUB-D 37 male poles (see catalogue D)

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 positive switching

O2008N: 8-channel insulated digital output interface negative switching

O2012: 12-channel insulated digital output interface positive switching

O2016: 16-channel insulated digital output interface positive switching

O2016N: 16-channel insulated digital output interface negative switching

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.35

or

- I2016 System -> See page A.61

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.

Note: The interfaces are intended to be used inside an IP20 enclosure at least.

PLC ABB S800



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	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	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 ^{A)}	16 DI	7789641xxx	1	H2016	1				
	DI814 ^{A)}	16 DI	7789641xxx	1	H0216	1				
	DI818 + TU819	32 DI	7789641xxx	2	H2016	2				
	DI830	16 DI	7789641xxx	1	H2016	1	I2016	1		
	DI831 ^{A)}	16 DI	7789641xxx	1	H2016	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			O2016N	1
	DO815	8 DO	7789643xxx	1	H2016	1			O2016	1
	DO818+TU819	32 DO	7789641xxx	2	H2016	2			O2016	2
	DO840	16 DO	7789641xxx	1	H2016	1			O2016	1
	DO880	16 DO	7789641xxx	1	H2016	1			O2016	1
AI	AI810	8 AI	7789657xxx	1	A25	1				
	AI810	8 AI	2491490xxx	1	A2508	1				
	AI820	4 AI	7789657xxx	1	A25	1				
	AI830	8 AI	7789657xxx	1	A25	1				
	AI830A	8 AI	7789657xxx	1	A25	1				
	AI845	8 AI	7789657xxx	1	A25	1				
	AI880+TU854	8 AI	7789657xxx	1	A2508	1				
AO	AO810	8 AO	7789657xxx	1	A25	1				
	AO810	8 AO	1349920xxx	1	A2508	1				
	AO810V2	8 AO	7789657xxx	1	A25	1				
	AO815	8 AO	7789657xxx	1	A25	1				
	AO820	4 AO	7789657xxx	1	A25	1				
	AO845	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.

- 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.
 - Use with 812TU MTU
 - The interfaces are intended to be used inside an IP20 enclosure at least.
 - 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 EMERSON DELTA V

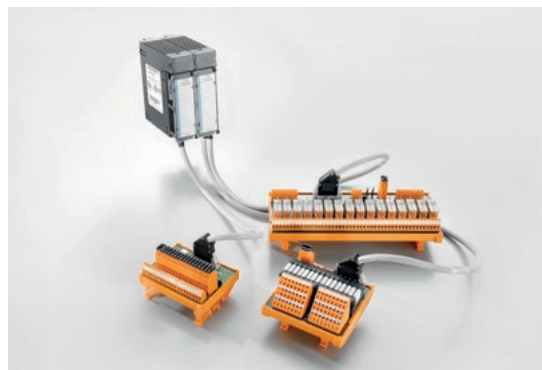
	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	VE4001S2T1B1 ^{A)}	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T1B2 ^{A)}	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T1B3 ^{A)}	8 DI	7789701xxx	1	H2016	1				
	VE4001S2T2B1 ^{A)}	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T2B2 ^{A)}	8 DI	7789100xxx	1	H2016	1				
	VE4001S2T2B3 ^{A)}	8 DI	7789701xxx	1	H2016	1				
	VE4001S2T2B4 ^{A)}	32 DI	7789100xxx	2	H2016	2				
	VE4001S2T2B5 ^{A)}	32 DI	7789702xxx	2	H2016	2				
	VE4001S3T1B1	8 DI	7789104xxx	1	R2416	1				
	VE4001S3T1B2	8 DI	7789104xxx	1	R2416	1				
	VE4001S3T2B1	8 DI	7789104xxx	1	R2416	1				
VE4001S3T2B2	8 DI	7789104xxx	1	R2416	1					
DO	VE4002S1T1B1 ^{A)}	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T1B2 ^{A)}	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T1B3 ^{A)}	8 DO	7789701xxx	1	H2016	1				
	VE4002S1T2B1 ^{A)}	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T2B2 ^{A)}	8 DO	7789100xxx	1	H2008	1				
	VE4002S1T2B3 ^{A)}	8 DO	7789700xxx	1	H2008	1				
	VE4002S1T2B4 ^{A)}	8 DO	7789703xxx	1	H2008	1				
	VE4002S1T2B5 ^{A)}	32 DO	7789100xxx	2	H2016	2				
	VE4002S1T2B6 ^{A)}	32 DO	7789702xxx	2	H2016	2				
	VE4002S2T1B2	8 DO	7789108xxx	1	R1208	1				
	VE4002S2T2B1	8 DO	7789104xxx	1	R2416	1				
VE4002S2T2B2	8 DO	7789104xxx	1	R2416	1					
AI	VE4003S2B1	8 AI	1350490xxx	1	A2508	1				
	VE4003S2B2	8 AI	1350490xxx	1	A2508	1				
	VE4003S2B3	8 AI	1350490xxx	1	A2508	1				
	VE4003S2B4	8 AI	7789704xxx	1	A2508	1				
	VE4003S2B6	16 AI	1350500xxx	1	A3716	1				
	VE4003S3B3	8 AI	1350490xxx	1	A2508	1				
	VE4003S3B4	8 AI	7789704xxx	1	A2508	1				
	VE4003S6B1	8 AI	1350500xxx	1	A3716	1				
AO	VE4005S2B1	8 AO	1350490xxx	1	A2508	1				
	VE4005S2B2	8 AO	1350490xxx	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.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- The interfaces are intended to be used inside an IP20 enclosure at least.
- 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 GE FANUC RX3i



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	IC694MDL230	8 DI	2680670xxx		R2416	1				
	IC694MDL231	8 DI	2680670xxx		R2416	1				
	IC694MDL240	16 DI	2680650xxx		R2416	1				
	IC694MDL241	16 DI, positive logic	2680630xxx		H2016	1	I2016	1		
	IC694MDL250	16 DI	7789631xxx		R3632	1				
	IC694MDL260	32 DI	7789632xxx		R3632	1				
	IC694MDL632	8 DI, positive logic	2680810xxx		R1208	1				
	IC694MDL634	8 DI, positive logic	2680630xxx		H2008	1				
	IC694MDL645	16 DI, positive logic	2680630xxx		H2008	1	I2016	1		
	IC694MDL646	16 DI, positive logic	2680630xxx		H2008	1	I2016	1		
	IC694MDL654	32 DI, positive logic	7789066xxx		H2016	2	I2016	2		
	IC694MDL655	32 DI, positive logic	7789066xxx		H2016	2	I2016	2		
IC694MDL660	32 DI	7789619xxx		H2016	2	I2016	2			
DO	IC694MDL310	12 DO	2680660xxx		R2416	1				
	IC694MDL330	8 DO	2680810xxx		R1208	1				
	IC694MDL340	16 DO	2680660xxx		R2416	1				
	IC694MDL350	16 DO	7789631xxx		R3632	1				
	IC694MDL390	5 DO	7789636xxx		R2416	1				
	IC694MDL732	8 DO	2680640xxx		H2008	1			02008	1
	IC694MDL734	6 DO	7789669xxx		R2416	1				
	IC694MDL740	16 DO	2680640xxx		H2016	1			02016	1
	IC694MDL741 A)	16 DO	2680640xxx		H2016	1			02016N	1
	IC694MDL742 B)	16 DO	2680640xxx		H2016	1			02016	1
	IC694MDL752 A)	32 DO	7789066xxx		H2016	2			02016N	2
	IC694MDL753	32 DO	7789066xxx		H2016	2			02016	2
	IC694MDL754	32 DO	7789618xxx		H2016	2			02016	2
	IC694MDL916	16 DO	7789696xxx		R3632	1				
	IC694MDL930	8 DO	2680670xxx		R2416	1				
	IC694MDL931	8 DO	7789665xxx		R3632	1				
IC694MDL940	16 DO	7789666xxx		R2416	1					
AI	IC694ALG220	4 AI, voltage differential applications	2680800xxx		A1504	1				
	IC694ALG221	4 AI, voltage differential applications	2680790xxx		A1504	1				
	IC694ALG222	16 AI	2680690xxx		A2508	1				
	IC694ALG223	16 AI	2680690xxx		A2508	1				
	IC695ALG106	6 AI, current applications	1373690xxx		A2508	1				
	IC695ALG106	6 AI, voltage applications	1373700xxx		A2508	1				
	IC695ALG508	8 AI	1338580xxx		A3716	1				
	IC695ALG600	8 AI, resistance applications	7789622xxx		A3716	1				
	IC695ALG600	8 AI, voltage or current applications	7789623xxx		A3716	1				
	IC695ALG608	8 AI, common applications	7789667xxx		A2508	1				
	IC695ALG616	4 AI, differential applications	7789626xxx		A3716	1				
	IC695ALG616	8 AI, differential applications	7789626xxx		A3716	1				
	IC695ALG626 C)	4 AI, common mode applications	7789798xxx		A3716	1				
IC695ALG626 C)	8 AI, differential applications	7789626xxx		A3716	1					
IC695ALG626 C)	16 AI, common mode applications	7789798xxx		A3716	1					
AO	IC694ALG390	2 AO	2680700xxx		A2508	1				
	IC694ALG391	2 AO	2680700xxx		A2508	1				
	IC694ALG392	8 AO, current applications	2680770xxx		A1504	1				
	IC694ALG392	8 AO, voltage applications	2680780xxx		A1504	1				
	IC695ALG704	4 AO	7789668xxx		A1504	1				
	IC695ALG708	8 AO	7789625xxx		A2508	1				
	IC695ALG728 B) C)	8 AO	7789625xxx		A2508	1				
	IC695ALG808	8 AO	7789621xxx		A2508	1				
AI/AO	IC694ALG442	4 AI	2680720xxx		A3716	1				
		2 AO								
DI/DO	IC695HCS308	8 DI	1419430xxx		H20	1				
		7 DO								

Note A) Attention! Use only interfaces without LEDs for the direct option. B) LEDs interfaces only possible if configured at 24 V DC. C) Attention! Only use Interfaces without disconnectors 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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	TC-IDA161 / TK-IDA161	16 DI	7789031xxx	1	R2416	1				
	TC-IDB321 / TK-IDB321	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 ^A	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) Only for 2-wires applications

- 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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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 MITSUBISHI MELSEC Q



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					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		
	QX81	32DI	7789682xxx	1	H2016	2	I2016	2		
QX82	64 DI	7789683xxx	2	H2016	4	I2016	4			
QX82-S1	64 DI	7789683xxx	2	H2016	4	I2016	4			
DO	QY10	16 DO	7789104xxx	1	R2416	1				
	QY18A	8 DO	7789104xxx	1	R2416	1				
	QY22	16 DO	7789104xxx	1	R2416	1				
	QY40P ^{B)}	16 DO	7789100xxx	1	H2016	1			02016N	1
	QY41P ^{B)}	32 DO	7789708xxx	1	H2016	2			02016N	2
	QY42P ^{B)}	64 DO	7789708xxx	2	H2016	4			02016N	4
	QY50 ^{B)}	16 DO	7789100xxx	1	H2016	1			02016N	1
	QY68A	8 DO	7789100xxx	1	H2016	1			02016	1
	QY70 ^{B)}	16 DO	7789100xxx	1	H2016	1			02016N	1
	QY71 ^{B)}	32 DO	7789708xxx	1	H2016	2			02016N	2
	QY80	16 DO	7789100xxx	1	H2016	1			02016	1
QY81	32DO	7789709xxx	1	H2016	2			02016	2	
QY81P	32DO	7789709xxx	1	H2016	2					
DI/DO	QH42P ^{B)}	32 DI	7789681xxx	1	H2016	2				
	QX41Y41P ^{B)}	32 DO	7789708xxx	1	H2016	2			02016N	2
		32 DI	7789681xxx	1	H2016	2				
	QX48Y57 ^{B)}	32 DO	7789708xxx	1	H2016	2			02016N	2
8 DI		7789100xxx	2	H2016	1					
AI	Q62AD-DGH	2 AI	1350480xxx	1	A1504	1				
	Q64AD	4 AI	1350480xxx	1	A1504	1				
	Q64AD-GH	4 AI	1350480xxx	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	1350490xxx	1	A2508	1				
	Q68ADV	8 AI	1350490xxx	1	A2508	1				
	Q68DAV	8 AI	1350490xxx	1	A2508	1				
AO	Q62DA	2 AO	1350480xxx	1	A1504	1				
	Q62DA-FG	2AO	1350480xxx	1	A1504	1				
	Q62DAN	2 AO	1350480xxx	1	A1504	1				
	Q64DA	4 AO	1350480xxx	1	A1504	1				
	Q64DAN	4 AO	1350480xxx	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	1350490xxx	1	A2508	1				
	Q68DAIN	8 AO	1350490xxx	1	A2508	1				
	Q68DAV	8 AO	1350490xxx	1	A2508	1				
	Q68DAVN	8 AO	1350490xxx	1	A2508	1				

Note
 A) Attention! Only use interfaces without LEDs
 B) Attention! Use only interfaces without LEDs for the direct 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.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- The interfaces are intended to be used inside an IP20 enclosure at least.
- 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 MOELLER XIOC

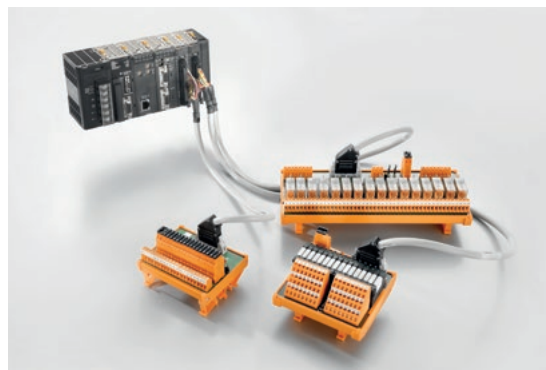
	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	XIOC-16DI	16 DI, positive logic	7789862xxx	1	H2016	1	I2016	1		
		16 DI, negative logic ^{A)}	7789863xxx	1	H2016	1				
	XIOC-16DI-AC	16 DI	7789864xxx	1	R2416	1				
	XIOC-16DI-AC110	16 DI	7789864xxx	1	R2416	1				
	XIOC-32DI	32 DI, positive logic	7789771xxx	1	H2016	2	I2016	2		
		32 DI, negative logic ^{A)}	7789768xxx	1	H2016	2				
XIOC-8DI	8 DI, positive logic	7789862xxx	1	H2008	1					
	8 DI, negative logic ^{A)}	7789863xxx	1	H2016	1					
DO	XIOC-12DO-R ^{B)}	12 DO	7789871xxx	1	R2416	1				
		16 DO	7789865xxx	1	H2016	1			O2016	1
	XIOC-16DO-S	16 DO	7789865xxx	1	H2016	1			O2016	1
	XIOC-32DO	32 DO	7789866xxx	1	H2016	2			O2016	2
	XIOC-8DO	8 DO	7789865xxx	1	H2008	1			O2008	1
DI/DO	XIOC-16DX	16 DI	7789872xxx	1	H2016	1				
		16 DO								
AI	XIOC-8AI-U2	8 AI	7789867xxx	1	A2508	1				
		8 AI	7789867xxx	1	A2508	1				
		8 AI	7789867xxx	1	A2508	1				
AO	XIOC-2AO-U1-2AO-U2	4 AO	7789868xxx	1	A1504	1				
		2 AO	7789868xxx	1	A1504	1				
		4 AO	7789868xxx	1	A1504	1				
		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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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 OMRON – CJ1W



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	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	IA111	16 DI	7789664xxx	1	R2416	1				
	IA201	8 DI	7789648xxx	1	R1208	1				
	ID211	16 DI, positive logic	7789645xxx	1	H2016	1	I2016	1		
		16 DI, negative logic ^{A)}	7789833xxx	1	H2016	1				
	ID231	32 DI, positive logic	7789771xxx	1	H2016	2	I2016	2		
		32 DI, negative logic ^{A)}	7789768xxx	1	H2016	2				
	ID232	32 DI, positive logic	7789772xxx	1	H2016	2	I2016	2		
		32 DI, negative logic ^{A)}	7789767xxx	1	H2016	2				
	ID261	64 DI, positive logic	7789771xxx	2	H2016	4	I2016	4		
		64 DI, negative logic ^{A)}	7789768xxx	2	H2016	4				
ID262	64 DI, positive logic	7789772xxx	2	H2016	4	I2016	4			
	64 DI, negative logic ^{A)}	7789767xxx	2	H2016	4					
DO	OA201	8 DO	7789648xxx	1	R1208	1				
	OC201	8 DO	7789649xxx	1	R2416	1				
	OC211	16 DO	7789664xxx	1	R2416	1				
	OD201 ^{B)}	8 DO	7789650xxx	1	H2016	1			O2016N	1
	OD202	8 DO	7789650xxx	1	H2008	1			O2008	1
	OD211 ^{B)}	16 DO	7789794xxx	1	H2016	1			O2016N	2
	OD212	16 DO	7789794xxx	1	H2016	1			O2016	2
	OD231 ^{B)}	32 DO	7789793xxx	1	H2016	2			O2016N	2
	OD232	32 DO	7789373xxx	1	H2016	2			O2016	2
	OD233 ^{B)}	32 DO	7789373xxx	1	H2016	2			O2016N	2
	OD261 ^{B)}	64 DO	7789793xxx	2	H2016	4			O2016N	4
	OD262	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.
 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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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 – COMPACT LOGIX



	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	1769-IA16	16 DI	7789025xxx	1	R2416	1				
	1769-IA8I	8 DI	7789016xxx	1	R2416	1				
	1769-IM12	12 DI	7789025xxx	1	R2416	1				
	1769-IQ16	16 DI, positive logic	7789770xxx	1	H2016	1	I2016	1		
		16 DI, negative logic ^{A)}	7789831xxx	1	H2016	1				
	1769-IQ16F	16 DI, positive logic	7789770xxx	1	H2016	1	I2016	1		
		16 DI, negative logic ^{A)}	7789831xxx	1	H2016	1				
	1769-IQ32	32 DI, positive logic	7789770xxx	1	H2016	2	I2016	2		
			7789695xxx	1						
1769-IQ32 ^{A)}	32 DI, negative logic	7789831xxx	1	H2016	2					
		7789832xxx	1							
1769-IQ32T	32 DI, positive logic	1489160xxx	1	H2016	2	I2016	2			
		32 DI, negative logic ^{A)}	1489180xxx					1		
DO	1769-OA16	16 DO	7789024xxx	1	R2416	1				
	1769-OA8	8 DO	7789017xxx	1	R1208	1				
	1769-OB16	16 DO	7789769xxx	1	H2016	1			O2016	1
			7789769xxx	1					O2016	1
	1769-OB32	32 DO	7789769xxx	1	H2016	2			O2016	2
			7789697xxx	1						
	1769-OB32T	32 DO	1489170xxx	1	H2016	2			O2016	2
	1769-OB8	8 DO	7789015xxx	1	H2008	1			O2008	1
	1769-OV16 ^{A)}	16 DO	7789769xxx	1	H2016	1				
	1769-OW16	16 DO	7789024xxx	1	R2416	1				
	1769-OW8	8 DO	7789017xxx	1	R1208	1				
	1769-OW8I	8 DO	7789016xxx	1	R2416	1				
AI	1769-IF4	4 AI, current applications	7789026xxx	1	A1504	1				
	1769-IF4	4 AI, voltage applications	7789046xxx	1	A1504	1				
	1769-IF4I	4 AI, current applications	7789027xxx	1	A1504	1				
	1769-IF4I	4 AI, voltage applications	7789047xxx	1	A1504	1				
	1769-IF8	8 AI, current applications	7789028xxx	1	A2508	1				
	1769-IF8	8 AI, voltage applications	7789045xxx	1	A2508	1				
AO	1769-OF2	2 AO	7789029xxx	1	A1504	1				
	1769-OF4CI	4 AO	7789043xxx	1	A1504	1				
	1769-OF8C	8 AO	7789044xxx	1	A2508	1				
	1769-OF8V	8 AO	7789044xxx	1	A2508	1				

Note A) Attention! Only use interfaces without LEDs

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
- The interfaces are intended to be used inside an IP20 enclosure at least.
- 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 – CONTROL LOGIX



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	1756-IA16	16 DI	7789031xxx	1	R2416	1				
	1756-IA16I	16 DI	7789030xxx	1	R3632	1				
	1756-IA8D	8 DI	7789048xxx	1	R1208	1				
	1756-IB16	16 DI	7789039xxx	1	H2016	1	I2016	1		
	1756-IB16D	16 DI	7789049xxx	1	H2016	1	I2016	1		
	1756-IB16I	16 DI	7789049xxx	1	H2016	1	I2016	1		
	1756-IB32	32 DI	7789041xxx	1	H2016	2	I2016	2		
	1756-IC16	16 DI	7789031xxx	1	R2416	1				
	1756-IH16I	16 DI	7789030xxx	1	R3632	1				
1756-IM16I	16 DI	7789030xxx	1	R3632	1					
1756-IN16	16 DI	7789031xxx	1	R3632	1					
DO	1756-OA16	16 DO	7789056xxx	1	R3632	1				
	1756-OA16I	16 DO	7789030xxx	1	R3632	1				
	1756-OA8	8 DO	7789057xxx	1	R1208	1				
	1756-OA8D	8 DO	7789048xxx	1	R1208	1				
	1756-OA8E	8 DO	7789048xxx	1	R1208	1				
	1756-OB16D	16 DO	7789040xxx	1	H2016	1			O2016	1
	1756-OB16E	16 DO	7789058xxx	1	H2016	1			O2016	1
	1756-OB16I	16 DO	7789059xxx	1	H2016	1			O2016	1
	1756-OB32	32 DO	7789042xxx	1	H2016	2			O2016	2
	1756-OB8	8 DO	7789151xxx	1	H2008	1			O2008	1
	1756-OB8EI	8 DO	7789152xxx	1	H2008	1			O2008	1
	1756-OC8	8 DO	7789153xxx	1	R2416	1				
	1756-OH8I	8 DO	7789154xxx	1	R2416	1				
	1756-ON8	8 DO	7789057xxx	1	R1208	1				
	1756-OV16E	16 DO	7789058xxx	1	H2016	1			O2016	1
	1756-OW16I	16 DO	7789030xxx	1	R3632	1				
1756-OX8I	8 DO	7789155xxx	1	R2416	1					
AI	1756-IF16 / 1756-IF16H	16 AI	7789032xxx	1	A3716	1				
	1756-IF6I	6 AI, current applications	7789156xxx	1	A2508	1				
	1756-IF6I	6 AI, voltage applications	7789157xxx	1	A2508	1				
	1756-IF8	8 AI, current applications	7789035xxx	1	A2508	1				
	1756-IF8	8 AI, voltage applications	7789036xxx	1	A2508	1				
1756-IR6I	6 AI	7789158xxx	1	A2508	1					
AO	1756-OF4	4 AO, current applications	7789033xxx	1	A1504	1				
	1756-OF4	4 AO, voltage applications	7789034xxx	1	A1504	1				
	1756-OF6CI	6 AO, resistances 0 to 550 Ω	7789159xxx	1	A2508	1				
	1756-OF6VI	6 AO	7789157xxx	1	A2508	1				
	1756-OF8 / 1756-OF8H	8 AO, current applications	7789037xxx	1	A2508	1				
1756-OF8 / 1756-OF8H	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 interfaces are intended to be used inside an IP20 enclosure at least.
- The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

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

PLC ROCKWELL – MICRO LOGIX 1400

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	1762-1A8	16 DI	7789108xxx	1	R1208	1				
	1762-1Q16	16 DI	7789100xxx	1	H2016	1	I2016	1		
	1762-1Q32T	16 DI, positive logic	7789005xxx	1	H2016	2	I2016	2		
		16 DI, negative logic	7789670xxx	1	H2016	2				
	1762-1Q8	8 DI	7789100xxx	1	H2008	1				
DO	1762-0A8	8 DO	7789108xxx	1	R1208	1				
	1762-0B16	16 DO	7789100xxx	1	H2016	1			O2016	1
	1762-0B32T	32 DO	7789006xxx	1	H2016	2			O2032	2
	1762-0B8	8 DO	7789100xxx	1	H2008	1			O2008	1
	1762-0V32T ^{A)}	32 DO	7789006xxx	1	H2016	2			O2016N	2
	1762-0W16	16 DO	7789104xxx	1	R2416	1				
	1762-0W8	8 DO	7789108xxx	1	R1208	1				
	1762-0X6I	6 DO	7789106xxx	1	R3632	1				
DI/DO	1762-1Q80W6	8 DI, positive logic	7789100xxx	1	H2008	1				
		6 DO	7789108xxx	1	R1208	1				
	1762-1Q80W6 ^{A)}	8 DI, negative logic	7789100xxx	1	H2016	1				
		6 DO	7789108xxx	1	R1208	1				
AI	1762-1F4	4 AI	1350480xxx	1	A1504	1				
	1762-1R4	4 AI, 2-wire applications	1350480xxx	1	A1504	1				
	1762-1R4 ^{B)}	4 AI, 3 and 4-wire applications	1350490xxx	1	A2508	1				
AO	1762-0F4	4 AO	1350480xxx	1	A1504	1				
AI/AO	1762-1F20F2	2 AI	1350480xxx	1	A1504	1				
		2 AO								

Note
 A) Attention! Use only interfaces without LEDs for the direct option.
 B) Attention! Only use Interfaces without disconnectors 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.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- The interfaces are intended to be used inside an IP20 enclosure at least.
- 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 – M258

A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	TM5SDI12D	12 DI	7789840xxx	1	H2012	1				
	TM5SDI2D	2 DI	7789100xxx	1	H20	1				
	TM5SDI4A	4 DI	7789854xxx	1	R1208	1				
	TM5SDI4D	4 DI	7789100xxx	1	H20	1				
	TM5SDI6A	6 DI	7789855xxx	1	R1208	1				
	TM5SDI6D	6 DI	7789100xxx	1	H20	1				
DO	TM5SDO12T	12 DO	7789840xxx	1	H2012	1			O2012	1
	TM5SDO2T	2 DO	7789100xxx	1	H20	1				
	TM5SDO4R	4 DO	7789858xxx	1	R1208	1				
	TM5SDO4T	4 DO	7789100xxx	1	H20	1				
	TM5SDO4TA	4 DO	7789100xxx	1	H20	1				
	TM5SDO6T	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	2 AI	7789841xxx	1	A15	1				
	TM5SAI4H	4 AI	7789841xxx	1	A1504M	1				
	TM5SAI4L	4 AI	7789841xxx	1	A1504M	1				
	TM5SAI4PH	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

- 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.
 - Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
 - The interfaces are intended to be used inside an IP20 enclosure at least.
 - 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 – M340 / M580



	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	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				
DO	BMX DDI 3202 K	32 DI	7789387xxx	1	H2016	2	I2016	2		
	BMX DDI 6402 K	64 DI	7789387xxx	2	H2016	4	I2016	4		
	BMX DAO 1605	16 DO	7789383xxx	1	R2416	1				
	BMX DDO 1602	16 DO	7789380xxx	1	H2016	1			O2016	1
	BMX DDO 1612 ^{B)}	16 DO	7789380xxx	1	H2016	1			O2016N	1
	BMX DDO 3202 K	32 DO	7789387xxx	1	H2016	2			O2016	2
	BMX DDO 6402 K	64 DO	7789387xxx	2	H2016	4			O2016	4
	BMX DRA 0805	8 DO	7789633xxx	1	R2416	1				
	BMX DRA 1605	16 DO	7789384xxx	1	R2416	1				
	DI/DO	BMX DDM 16022	8 DI	7789386xxx	1	H2008	1			
8 DO			H2008			1			O2008	1
BMX DDM 16025		8 DI	7789635xxx	1	H2008	1				
8 DO	R1208	1								
AI	BMX DDM 3202 K	16 DI	7789387xxx	1	H2016	1			O2016	1
		16 DO			H2016	1				
	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 AMI 0810	8AI, current applications	7789846xxx	1	A2508	1				
AO	BMX AMI 0800	8AI, current applications	7789846xxx	1	A2508	1				
	BMX AMI 0800	8AI, voltage/current applications	1479600xxx	1	H40	1				
	BMX ART 0814	8 AI	7789639xxx	2	A3716	2				
	BMX AMO 0210	2 AO	7789640xxx	1	A1504	1				
AI/AO	BMX AMO 0410	4 AO	7789637xxx	1	A1504	1				
	BMX AMO 0802	8 AO	7789847xxx	1	A2508	1				
	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.

- 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 interfaces are intended to be used inside an IP20 enclosure at least.
 - 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



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	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				
	TSX DSZ 32T2	32 DI	7789314xxx	1	H2016	2	I2016	2		
DO	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
	TSX DSZ 08T2K	8 DO	7789301xxx	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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	TSX DEY 08D2	8 DI	7789322xxx	1	H2008	1				
	TSX DEY 16A2	16 DI	7789315xxx	1	R2416	1				
	TSX DEY 16A3	16 DI	7789315xxx	1	R2416	1				
	TSX DEY 16A4	16 DI	7789315xxx	1	R2416	1				
	TSX DEY 16A5	16 DI	7789315xxx	1	R2416	1				
	TSX DEY 16D2	16 DI	7789322xxx	1	H2016	1	I2016	1		
	TSX DEY 16D3	16 DI	7789322xxx	1	H2016	1	I2016	1		
	TSX DEY 16FK	16 DI	7789301xxx	1	H2016	1	I2016	1		
	TSX DEY 32D2K	32 DI	7789301xxx	2	H2016	2	I2016	2		
TSX DEY 32D3K ^{A)}	32 DI	7789301xxx	2	H2016	2					
TSX DEY 64D2K	64 DI	7789301xxx	4	H2016	4	I2016	4			
DO	TSX DSY 08R4D	8 DO	7789318xxx	1	R2416	1				
	TSX DSY 08R5	8 DO	7789316xxx	1	R2416	1				
	TSX DSY 08R5A	8 DO	7789318xxx	1	R2416	1				
	TSX DSY 08S5	8 DO	7789316xxx	1	R2416	1				
	TSX DSY 08T2	8 DO	7789322xxx	1	H2008	1			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	1	H2016	1			02016	1
	TSX DSY 16T3 ^{A)}	16 DO	7789322xxx	1	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	1349980xxx	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	1349980xxx	1	A2508P	1				
	TSX AEY 800	8 AI	1349980xxx	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	1349980xxx	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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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 – QUANTUM



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	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 543 00	16 DI	7789113xxx	1	R2416	1				
	140 DAI 553 00	32 DI	7789118xxx	1	R3632	1				
	140 DAI 740 00	16 DI	7789118xxx	1	R3632	1				
	140 DDI 353 00	32 DI	7789121xxx	1	H2016	2	I2016	2		
	140 DDI 364 00	96 DI	7789301xxx	6	H2016	6	I2016	6		
	140 DDI 841 00	16 DI	7789119xxx	1	H2016	1	I2016	1		
140 DDI 853 00	32 DI	7789121xxx	1	H2016	2	I2016	2			
DO	140 DAO 840 00	16 DO	7789118xxx	1	R3632	1				
	140 DAO 842 10	16 DO	7789113xxx	1	R2416	1				
	140 DDO 353 00	32 DO	7789121xxx	1	H2016	2			O2016	2
	140 DDO 364 00	96 DO	7789301xxx	6	H2016	6			O2016	6
	140 DDO 843 00	16 DO	7789120xxx	1	H2016	1			O2016	1
140 DRA 840 00	16 DO	7789118xxx	1	R3632	1					
DI/DO	140 DDM 390 00	16 DI	7789133xxx	1	H2016	1				
		8 DO			H2008	1			O2008	1
AI	140 ACI 030 00	8 AI, current applications	7789125xxx	1	A2508	1				
	140 ACI 030 00	8 AI, voltage applications	7789134xxx	1	A2508	1				
	140 ACI 040 00	16 AI	7789123xxx	1	A3716	1				
	140 AII 330 00	8 AI, 2-wire resistances applications	7789136xxx	1	A2508	1				
	140 ARI 030 10	8 AI, 2-wire resistances applications	7789135xxx	1	A2508	1				
	140 AVI 030 00	8 AI, current applications	7789125xxx	1	A2508	1				
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 interfaces are intended to be used inside an IP20 enclosure at least.
 - 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 – TWIDO



	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					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			O2016N	1
	TWD DDO 32TK	32 DO	7789329xxx	2	H2016	2			O2016	2
	TWD DDO 32UK ^{B)}	32 DO	7789328xxx	2	H2016	2			O2016N	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	1	R2416	1				
TWD LMDA 20DRT ^{B)}		12 DI, negative logic	7789100xxx	1	H2016	1				
		8 DO	7789104xxx	1	R2416	1				
TWD LMDA 20DTK		12 DI, positive logic	7789327xxx	1	H2012	1				
		8 DO			H2016	1			O2016	1
TWD LMDA 20DUK ^{C)}		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			H2008	2			O2008	2
TWD LMDA 40DUK ^{C)}		24 DI, positive logic	7789326xxx	2	H2012	2				
		16 DO			H2016	2				
AI	TWD AMI 2HT	2 AI	1350480xxx	1	A1504	1				
AO	TWD AMO 1HT	1 AO	1350480xxx	1	A1504	1				
AI/AO	TWD ALM 3LT	2 AI	1350480xxx	1	A1504	1				
		1 AO				1				
	TWD AMM 3HT	2 AI	1350480xxx	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.
C) Attention! Use only interfaces without LEDs for the direct output 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.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- The interfaces are intended to be used inside an IP20 enclosure at least.
- 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 – S7-200

A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	6ES7221-1BF22-0XA0	8 DI	7789100xxx	1	H2008	1				
	6ES7221-1BH22-0XA0	16 DI	7789100xxx	1	H2016	1	I2016	1		
	6ES7221-1EF22-0XA0	8 DI	7789104xxx	1	R2416	1				
DO	6ES7222-1BD22-0XA0	4 DO	7789100xxx	1	H2008	1			O2008	1
	6ES7222-1BF22-0XA0	8 DO	7789100xxx	1	H2008	1			O2008	1
	6ES7222-1EF22-0XA0	8 DO	7789104xxx	1	R2416	1				
	6ES7222-1HD22-0XA0	8 DO	7789104xxx	1	R2416	1				
DI/DO	6ES7223-1BF22-0XA0	4 DI	7789100xxx	2	H2008	1				
		4 DO			H2008	1			O2008	1
	6ES7223-1BH22-0XA0	8 DI	7789100xxx	2	H2008	1				
		8 DO			H2008	1			O2008	1
	6ES7223-1BL22-0XA0	16 DI	7789100xxx	2	H2016	1				
		16 DO			H2016	1			O2016	1
	6ES7223-1BM22-0XA0	32 DI	7789100xxx	4	H2016	2				
		32 DO			H2016	2			O2016	2
	6ES7223-1HF22-0XA0	4 DI	7789100xxx	1	H2008	1				
		4 DO			7789108xxx	1	R1208	1		
	6ES7223-1PH22-0XA0	8 DI	7789100xxx	1	H2008	1				
		8 DO			7789108xxx	1	R1208	1		
6ES7223-1PL22-0XA0	16 DI	7789100xxx	1	H2016	1					
	16 DO			7789104xxx	1	R2416	1			
6ES223-1PM22-0XA0	32 DI	7789100xxx	2	H2016	2					
	32 DO			7789104xxx	2	R2416	2			
AI	6ES7231-0HC22-0XA0	4 AI	1350480xxx	1	A1504	1				
	6ES7231-0HF22-0XA0	8 AI	1350490xxx	1	A2508	1				
AO	6ES7232-0HB22-0XA0	2 AO	1350480xxx	1	A1504	1				
	6ES7232-0HD22-0XA0	4 AO	1350480xxx	1	A1504	1				
AI/AO	6ES7235-0KD22-0XA0	4 AI / 1 AO	1350490xxx	1	A2508	1				
DI/DO/AI	6ES7-214-1AE30-0XB0	14 DI	7789100xxx	1	H2016	1				
		10 DO	7789100xxx	1	H2012	1				
		2 AI	1350480xxx	1	A1504	1				
	6ES7-214-1AG31-0XB0	14 DI	7789100xxx	1	H2016	1				
		10 DO	7789100xxx	1	H2012	1				
		2 AI	1350480xxx	1	A1504	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.
- Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
- The interfaces are intended to be used inside an IP20 enclosure at least.
- 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 – S7-300/ET-200M



	PLC		Cables		Interfaces						
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs		
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -		
					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	32 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	16 DI	7789210xxx	1	R2416	1					
	6ES7321-7BH01-0AB0	16 DI	7789210xxx	1	R2416	1					
	6ES7321-7BH80-0AB0	16 DI	7789210xxx	1	R2416	1					
	6ES7321-7RD00-0AB0	16 DI	2183160xxx	1	H20	1					
6ES7326-1BK02-0AB0	24 DI	2183170xxx	1	H40	1						
DO	6ES7322-1BF00-0AA0	8 DO	7789239xxx	1	H2008	1			O2008	1	
	6ES7322-1BF01-0AA0	8 DO	7789239xxx	1	H2008	1			O2008	1	
	6ES7322-1BH00-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1	
	6ES7322-1BH01-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1	
	6ES7322-1BH10-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1	
	6ES7322-1BH81-0AA0	16 DO	7789234xxx	1	H2016	1			O2016	1	
	6ES7322-1BL00-0AA0	32 DO	7789236xxx	1	H2016	2			O2016	2	
	6ES7322-1BP00-0AA0	64 DO	7789246xxx	2	H2016	4			O2016	4	
	6ES7322-1BP50-0AA0 ^{A)}	64 DO	7789246xxx	2	H2016	4			O2016N	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					
	6ES7322-1HH01-0AA0	16 DO, Only for 24 V DC	7789214xxx	1	H2016	1					
	6ES7322-5GH00-0AB0	16 DO	7789215xxx	1	R3632	1					
	6ES7322-5RD00-0AB0 ^{B)}	4 DO	7789192xxx	1	H2016	1					
	6ES7322-5SD00-0AB0 ^{B)}	4 DO	7789192xxx	1	H2016	1					
	6ES7322-8BF00-0AB0	8 DO, without redundancy	7789239xxx	1	H2008	1			O2008	1	
	6ES7322-8BF00-0AB0	8 DO, with redundancy	7789830xxx	1	H2008	1			O2008	1	
	6ES7322-8BH01-0AB0	16 DO, without redundancy	7789729xxx	1	H2016	1			O2016	1	
	6ES7322-8BH01-0AB0	16 DO, with redundancy	7789730xxx	1	H2016	1			O2016	1	
	6ES7326-2BF10-0AB0	16 DO	2183170xxx	1	H40	1					
	6ES7326-2BF41-0AB0	8 DO	2183170xxx	1	H40	1					
	DI/DO	6ES7323-1BH00-0A00	8 DI	7789237xxx	1	H2008	1				
			8DO			H2008	1			O2008	1
6ES7323-1BH01-0A00		8 DI	7789237xxx	1	H2008	1					
		8 DO			H2008	1			O2008	1	
6ES7323-1BH80-0AA0	8 DI	7789237xxx	1	H2008	1						
	8 DO			H2008	1			O2008	1		
6ES7323-1BH80-0A00	8 DI	7789237xxx	1	H2008	1						
	8 DO			H2008	1			O2008	1		

PLC SIEMENS – S7-300 / ET-200M

A

DI/DO	PLC		Cables		Interfaces						
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs		
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -		
					Type	Quantity	Type	Quantity	Type	Quantity	
	6ES7323-1BL00-0AAB0	16 DI 16 DO	7789236xxx	1	H2016	1	I2016	1	02016	1	
AI	6ES7331-7HF01-0AB0	8 AI	7789801xxx	1	H20	1					
	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					
	6ES7331-7NF10-0AB0	8 AI, voltage application	7789233xxx	1	A2508	1					
		8 AI, current application	7789759xxx	1	H40	1					
	6ES7331-7PF00-0AB0	8 AI, 2-wire applications	7789230xxx	1	A2508	1					
	6ES7331-7PF00-0AB0	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	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					
6ES7336-4GE00-0AB0	6 AI	7789801xxx	1	H20	1						
AO	6ES7332-5HB00-0AB0	2 AO, 2-wire voltage applications	7789228xxx	1	A1504	1					
	6ES7332-5HB00-0AB0	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	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	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	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	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	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	4 AO, 4-wire voltage applications	7789801xxx	1	H20	1					
6ES7332-7ND01-0AB0	4 AO, current applications	7789227xxx	1	A1504	1						
6ES7332-7ND02-0AB0	4 AO, 2-wire voltage applications	7789228xxx	1	A1504	1						
6ES7332-7ND02-0AB0	4 AO, 4-wire voltage applications	7789801xxx	1	H20	1						
6ES7332-7ND02-0AB0	4 AO, current applications	7789227xxx	1	A1504	1						
6ES7332-8TF01-0AB0	8 AO	7789229xxx	1	A2508	1						
AI/AO	6ES7334-0CE01-0AAB0	4 AI + 2 AO	7789225xxx	1	A3716	1					
	6ES7334-0KE00-0AB0	4 AI + 2 AO	7789196xxx	1	A2508	1					
	6ES7335-7HG01-0AB0	4 AI + 2 AO	7789226xxx	1	A3716	1					
	6ES7335-7HG02-0AB0	4 AI + 2 AO	7789226xxx	1	A3716	1					
CPU	6ES7312-5BD00-0AB0	10 DI	1431530xxx	1	H2012	1					
		6 DO			H2008	1		02008	1		
	6ES7312-5BD01-0AB0	10 DI	1431530xxx	1	H2012	1					
		6 DO			H2008	1		02008	1		
	6ES7312-5BE03-0AB0	10 DI	1431530xxx	1	H2012	1					
		6 DO			H2008	1		02008	1		
	6ES7312-5BF04-0AB0	10 DI	1431530xxx	1	H2012	1					
		8 DO			H2008	1					
	6ES7312-6EH04-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1		02016	1
		16 DO			H2016	1					
8 DI		H2008			1						
	5 AI + 2 AO	7789223xxx	1	A2508P	1						

PLC SIEMENS – S7-300 / ET-200M

	PLC		Cables		Interfaces							
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs			
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -			
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity		
CPU	6ES7313-5BE00-0AB0	16 DI	7789222xxx	1	H2016	1						
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
	6ES7313-5BE01-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
	6ES7313-5BF03-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
	6ES7313-5BG04-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
	6ES7313-6BE00-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
	6ES7313-6BE01-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
	6ES7313-6BF03-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
	6ES7313-6CE00-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
	6ES7313-6CE01-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
	6ES7313-6CF03-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
	6ES7314-6BF00-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
	6ES7314-6BF01-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
	6ES7314-6BF02-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1				
		16 DO			H2016	1			02016	1		
		8 DI			7789223xxx	1	H2008	1				
		5 AI + 2 AO					A2508P	1				
6ES7314-6CF00-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1					
	16 DO			H2016	1			02016	1			
	8 DI			7789223xxx	1	H2008	1					
	5 AI + 2 AO					A2508P	1					
6ES7314-6CF01-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1					
	16 DO			H2016	1			02016	1			
	8 DI			7789223xxx	1	H2008	1					
	5 AI + 2 AO					A2508P	1					
6ES7314-6CF02-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1					
	16 DO			H2016	1			02016	1			
	8 DI			7789223xxx	1	H2008	1					
	5 AI + 2 AO					A2508P	1					
6ES7314-6CH04-0AB0	16 DI	7789222xxx	1	H2016	1	I2016	1					
	16 DO			H2016	1			02016	1			
	8 DI			7789223xxx	1	H2008	1					
	5 AI + 2 AO					A2508P	1					

Note A) Attention! Use only interfaces without LEDs for the direct option.
 B) This is not an ATEX solution. The interface cannot have LEDs, fuses, disconnectors or 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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	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	I2016	2		
	6ES7421-1BL01-0AA0	32 DI	7789292xxx	1	H2016	2	I2016	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	I2016	2		
	6ES7421-7BH01-0AB0	16 DI	7789290xxx	1	H2016	2	I2016	2		
6ES7421-7DH00-0AB0	16 DI	7789278xxx	1	R3632	1					
DO	6ES7422-1BH10-0AA0	16 DO	7789291xxx	1	H2016	1			O2016	1
	6ES7422-1BH11-0AA0	16 DO	7789291xxx	1	H2016	1			O2016	1
	6ES7422-1BL00-0AA0	32 DO	7789292xxx	1	H2016	2			O2016	2
	6ES7422-1FF00-0AA0	8 DO	7789283xxx	1	R1208	1				
	6ES7422-1FH00-0AA0	16 DO	7789273xxx	1	R2416	1				
	6ES7422-1HH00-0AA0	16 DO	7789270xxx	1	R3632	1				
	6ES7422-5EH10-0AB0	16 DO	7789291xxx	1	H2016	1			O2016	1
6ES7422-7BL00-0AB0	32 DO	7789292xxx	1	H2016	2			O2016	2	
AI	6ES7431-0HH00-0AB0	16 AI	7789284xxx	1	A3716	1				
	6ES7431-1KF00-0AB0	8 AI, voltage and resistance applications	2062360xxx	1	A2508	1				
	6ES7431-1KF00-0AB0	8 AI, current applications	2062380xxx	1	A2508	1				
	6ES7431-1KF10-0AB0	8 AI	7789285xxx	1	A2508	1				
	6ES7431-1KF20-0AB0	8 AI	7789285xxx	1	A2508	1				
	6ES7431-7KF10-0AB0	16 AI	7789284xxx	1	A3716	1				
AO	6ES7431-7QH00-0AB0	16 AI	7789284xxx	1	A3716	1				
AO	6ES7432-1HF00-0AB0	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 interfaces are intended to be used inside an IP20 enclosure at least.
 - The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.
- * In the case that an input/output card does not appear in this table, you can check our on-line PLC selection guide at www.weidmueller.com where you will always find the most up-to-date information.

PLC SIEMENS – S7-1200



	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
					Type	Quantity	Type	Quantity	Type	Quantity
DI	6ES7221-1BF30-0XB0	8 DI	1329110xxx	1	H2008	1				
	6ES7221-1BF32-0XB0	8 DI	1329110xxx	1	H2008	1				
	6ES7221-1BH30-0XB0	16 DI	1329120xxx	1	H2016	1	I2016	1		
DO	6ES7221-1BH32-0XB0	16 DI	1329120xxx	1	H2016	1	I2016	1		
	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			O2008	1
DI/DO	6ES7222-1BH30-0XB0	16 DO	1329170xxx	1	H2016	1			O2016	1
	6ES7222-1BH32-0XB0	16 DO	1329170xxx	1	H2016	1			O2016	1
	6ES7223-1PH30-0XB0	8 DI	1329180xxx	1	H2008	1				
		8 DO	1329190xxx	1	R1208	1				
	6ES7223-1PL30-0XB0	16 DI	1329200xxx	1	H2016	1				
		16 DO	1329210xxx	1	R2416	1				
6ES7223-1BH30-0XB0	8 DI	1329180xxx	1	H2008	1					
	8 DO	1329230xxx	1	H2008	1			O2008	1	
	16 DI	1329200xxx	1	H2016	1					
	16 DO	1329240xxx	1	H2016	1			O2016	1	
6ES7223-1BL30-0XB0	16 DI	1329200xxx	1	H2016	1					
	16 DO	1329240xxx	1	H2016	1			O2016	1	
AI	6ES7231-4HD30-0XB0	4 AI	1329250xxx	1	A1504	1				
	6ES7231-4HD32-0XB0	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 + 2 AO	1329300xxx	1	A2508	1				

Note

- Please, always take into account the characteristics of the PLC card (voltage, current...) when selecting interfaces. In some cases, the card can work at higher voltages than those indicated in the interface.
 - Cables 7789100xxx, 7789104xxx, 7789106xxx, 7789108xxx, 1350480xxx, 1350490xxx and 1350500xxx have wire-end ferrules at one end. These cables do not have a PLC connector. Colour code according to DIN 47100.
 - The interfaces are intended to be used inside an IP20 enclosure at least.
 - 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 – S7-1500



A

	PLC		Cables		Interfaces					
	Input/Output cards		Standard		Direct inputs/outputs		Insulated inputs		Insulated outputs	
					- see page A.35 (H,R) or A.51 (A) -		- see page A.57 -		- see page A.61 -	
	Manufacturer code	Number/Type of channels	Order No.	Quantity	Type	Quantity	Type	Quantity	Type	Quantity
DI	6ES7521-1BH00-0AB0	16 DI	1462090xxx	1	H2016	1	I2016	1		
	6ES7521-1BH50-0AA0 ^{A)}	16 DI	1462100xxx	1	H2016	1				
	6ES7521-1BL00-0AB0	32 DI	1462040xxx	1	H2016	2	I2016	2		
	6ES7521-1BL10-0AA0	32 DI	1994500xxx	1	H2016	2				
	6ES7521-1FH00-0AA0	16 DI	1462130xxx	1	R2416	1				
DO	6ES7522-1BF00-0AB0	8 DO	1462110xxx	1	H2008	1			O2008	1
	6ES7522-1BH00-0AB0	16 DO	1462090xxx	1	H2016	1			O2016	1
	6ES7522-1BL00-0AB0	32 DO	1462040xxx	1	H2016	2			O2016	2
	6ES7522-1BL01-0AB0									
	6ES7522-1BL10-0AA0	32 DO	1994500xxx	1	H2016	2			O2016	2
	6ES7522-5FF00-0AB0	8 DO	1462140xxx	1	R2416	1				
AI	6ES7531-7KF00-0AB0	8 AI	1462200xxx	1	A3716	1				
	6ES7531-7NF10-0AB0	8 AI	1462200xxx	1	A3716	1				
AO	6ES7532-5HD00-0AB0	4 AO, 2-wire voltage applications	1462150xxx	1	A1504	1				
	6ES7532-5HD00-0AB0	4 AO, 4-wire voltage applications	1462170xxx	1	A2508	1				
	6ES7532-5HD00-0AB0	4 AO, current applications	1462160xxx	1	A1504	1				
	6ES7532-5HF00-0AB0	8 AO, 2-wire voltage applications	1991700xxx	1	A2508	1				
	6ES7532-5HF00-0AB0	8 AO, 4-wire voltage applications	1991720xxx	1	A3716	1				
	6ES7532-5HF00-0AB0	8 AO, current applications	1991710xxx	1	A2508	1				

Note
 A) Attention! Only use interfaces without LEDs
 B) Attention! Only use Interfaces without disconnectors 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 interfaces are intended to be used inside an IP20 enclosure at least.
- 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

Number of channels	Type		Features				Interfaces				
	Family	Type of wiring	Connection		LED by channel	Disconnectable	Fuse	Order No.	Type	Page	
			Screw connection	Tension clamp connection							
Universal	H20	1:1						0224261001	RS F20 LP2N 5/20	D.6	
		1:1						8537110000	RS F20 Z	D.6	
	H40	1:1						0224461001	RS F40 LP2N 5/40	D.6	
		1:1						8537140000	RS F40 Z	D.6	
8-channel	H2008	2-wire						9445530000	RS 8IO 2W L H S	A.36	
12-channel	H2012	2-wire						9445630000	RS 12IO 2W L H S	A.37	
16-channel	H2016	1-wire						9445700000	RS 16IO 1W H S	A.38	
								9445710000	RS 16IO 1W L H S	A.38	
								1311750000	RS 16IO 1W H Z	A.38	
								1311770000	RS 16IO 1W L H Z	A.38	
								9445810000	RS 16IO 1W L L H S	A.39	
								1311780000	RS 16IO 1W L L H Z	A.39	
		2-wire							9445720000	RS 16IO 2W H S	A.40
									9445730000	RS 16IO 2W L H S	A.40
								1311790000	RS 16IO 2W H Z	A.40	
								1311800000	RS 16IO 2W L H Z	A.40	
								1311810000	RS 16IO 2W I H S	A.41	
								9445750000	RS 16IO 2W L L H S	A.41	
								1311820000	RS 16IO 2W I H Z	A.41	
								1311830000	RS 16IO 2W L L H Z	A.41	
								1431700000	RS 16IO 2W L L 2H S	A.42	
									9445820000	RS 16IO 2W F H S	A.43
									1311850000	RS 16IO 2W F L H S	A.43
									1311840000	RS 16IO 2W F H Z	A.43
								1311870000	RS 16IO 2W F L H Z	A.43	
		3-wire							9445760000	RS 16IO 3W H S	A.44
									9445770000	RS 16IO 3W L H S	A.44
									1311880000	RS 16IO 3W H Z	A.44
									1311890000	RS 16IO 3W L H Z	A.44
									9441500000	RS 16IO 1W R S	A.45
							9441860000	RS 16IO 1W I R S	A.45		
R2416	2-wire						9441700000	RS 16IO 2W R S	A.46		
							9441560000	RS 16IO 2W F R S	A.46		
	3-wire						9441600000	RS 16IO 3W I R S	A.47		
32-channel	R3632	1-wire						9441510000	RS 32IO 1W R S	A.48	
								9441870000	RS 32IO 1W I R S	A.48	
		2-wire						9441710000	RS 32IO 2W R S	A.49	
									9441570000	RS 32IO 2W F R S	A.49
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 H: Switch + LED FL: Fuse + LED	H HE connector (ribbon cable) R: RSV connector	S: Screw connection Z: Tension clamp connection			

RS IO - Passive interface for digital signals

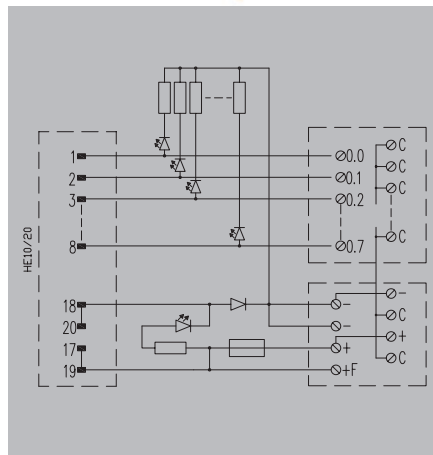
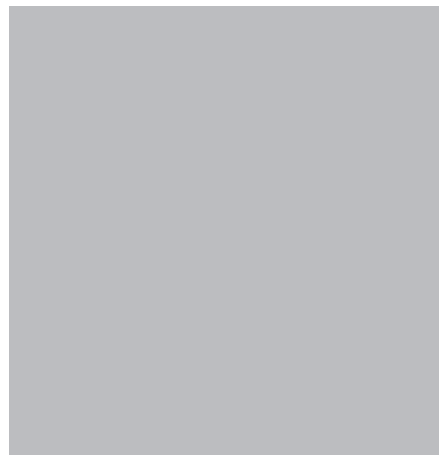
RS IO - Interface for 8 digital signals 2-wire H (HE connector) system

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 (EN 50178)	
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 according IEC 60603-13/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, EAC		
< 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

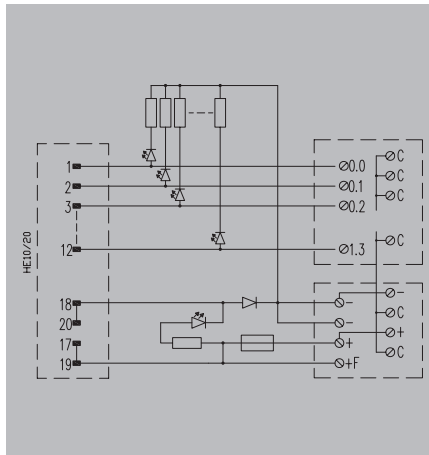
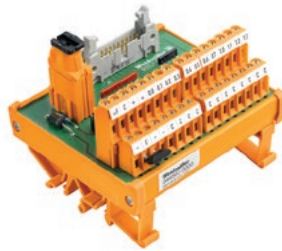
RS I/O - Interface
for 12 digital signals 2-wire H system

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 (EN 50178)	
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 according IEC 60603-13/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, EAC	
< 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	
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

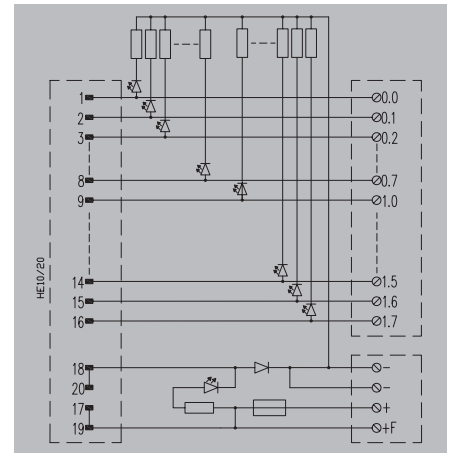
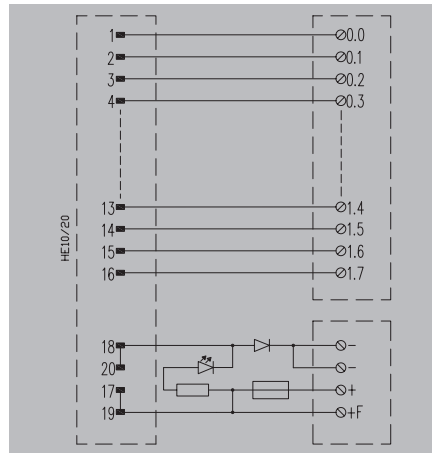
RS 16IO 1W H

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 (EN 50178)	
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 according IEC 60603-13/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; EAC	
< 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
46 mm / 87 mm	46 mm / 87 mm

Connector according IEC 60603-13/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; EAC	
< 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
46 mm / 87 mm	46 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 H S	72 mm	9445700000
RS 16IO 1W H Z	72 mm	1311750000

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

Accessories

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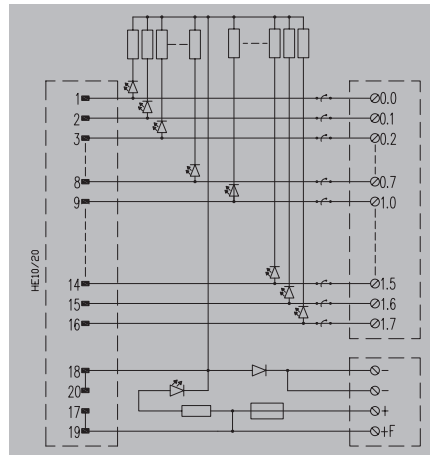
RS IO - Interface for 16 digital signals 1-wire H system

Digital input/output passive interface

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

RS 16IO 1W 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 (EN 50178)

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 according IEC 60603-13/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, EAC

< 50 V AC

III

2

0.8 kV

Screw connection

0.13 mm² / 6 mm²

0.13 mm² / 6 mm²

TS 32, TS 35

110 mm / 87 mm

Tension-clamp connection

0.14 mm² / 1.5 mm²

0.14 mm² / 1.5 mm²

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

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

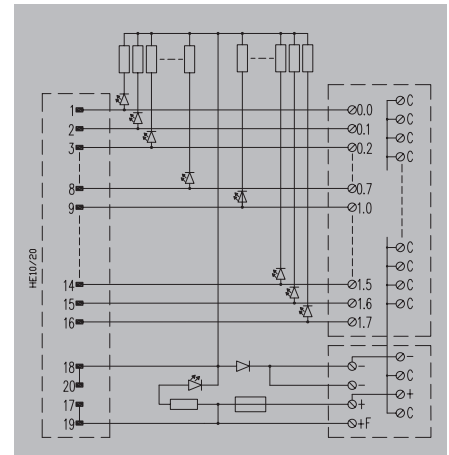
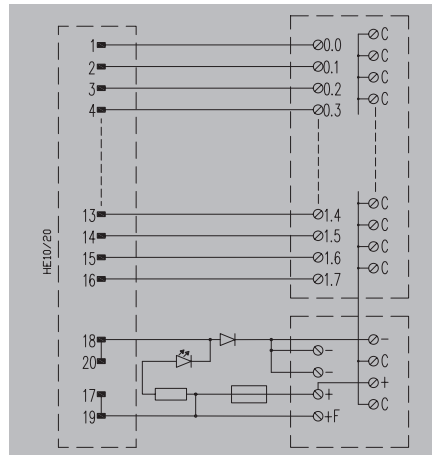
RS 16IO 2W H

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 (EN 50178)	
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 according IEC 60603-13/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, EAC	
< 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	

Connector according IEC 60603-13/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, EAC	
< 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

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

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

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

Accessories

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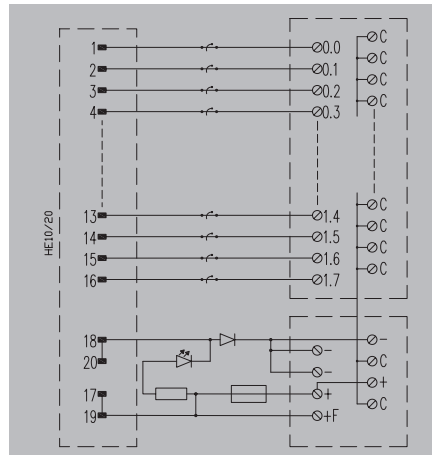
RS IO - Interface
for 16 digital signals 2-wire H system

Digital input/output passive interface

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

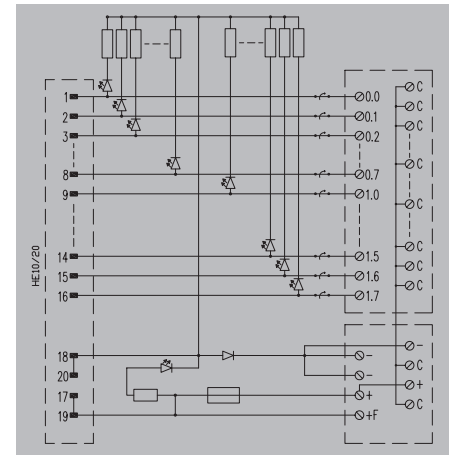
RS 16IO 2W I H

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 (EN 50178)	
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 without LED
	Screw connection with LED
	Tension-clamp connection without LED
	Tension-clamp connection with LED
Note	

Accessories

Note	
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Connector according IEC 60603-13/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, EAC	
< 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
95 mm / 87 mm	95 mm / 87 mm
The common C may carry up to 3 A if the external jumpers are not used	

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

Connector according IEC 60603-13/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, EAC	
< 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
95 mm / 87 mm	95 mm / 87 mm
The common C may carry up to 3 A if the external jumpers are not used	

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

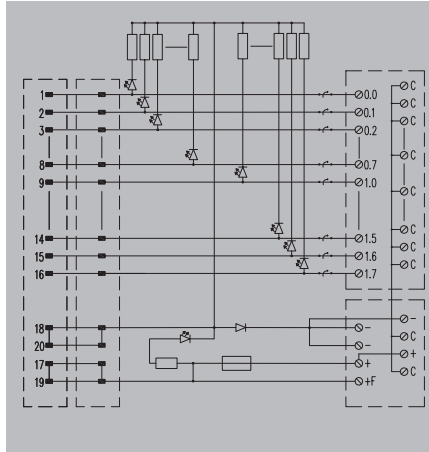
RS IO - Interface
for 16 digital signals 2-wire H system

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 HL 2H S

2 ribbon connectors for redundancy



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 (EN 50178)	
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 according IEC 60603-13/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, EAC	
< 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	
91 mm / 109 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 2W HL 2H S	79 mm	1431700000

Accessories

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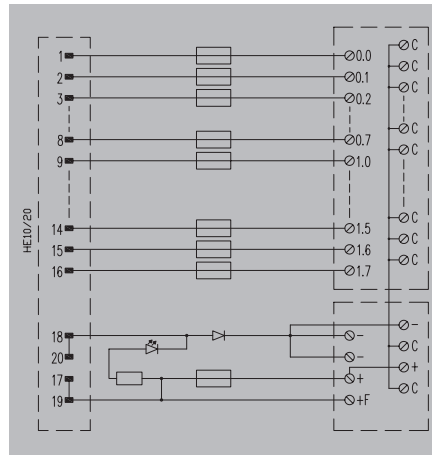
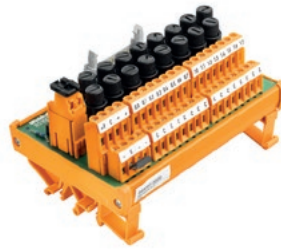
RS IO - Interface
for 16 digital signals 2-wire H system

Digital input/output passive interface

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

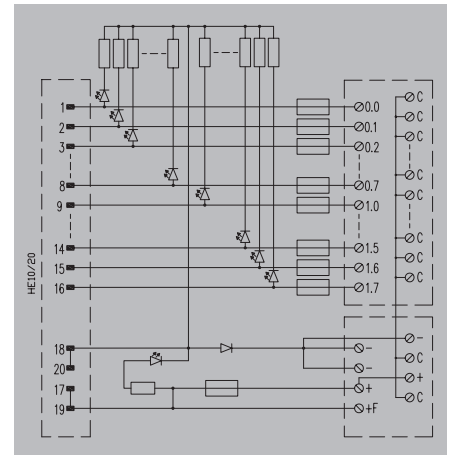
RS 16IO 2W F H

H system, 2 wires with fuse per channel



RS 16IO 2W F-L H

H system, 2 wires with LED and fuse per channel



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
LED status display per channel	
LED status of the supply voltage	
Fuse per channel	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	
Max. current per channel	
Operating voltage (supply)	
Operating current (supply)	
General data	
Ambient temperature (operational)	
Storage temperature	
Approvals	
Insulation coordination (EN 50178)	
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 without LED	
	Screw connection with LED	
	Tension-clamp connection without LED	
	Tension-clamp connection with LED	
Note		

Accessories

Note		
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Connector according IEC 60603-13/DIN 41651		
20-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		
CE, EAC		
< 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	
122 mm / 87 mm	122 mm / 87 mm	
The common C may carry up to 3 A if the external jumpers are not used		

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

Connector according IEC 60603-13/DIN 41651		
20-pole plug		
green		
yellow		
500 mA		
3.15 A		
No		
24 V DC ± 10%		
1 A		
24 V DC ± 10%		
2 A		
-25...50°C		
-40...60 °C		
CE, EAC		
< 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	
122 mm / 87 mm	122 mm / 87 mm	
The common C may carry up to 3 A if the external jumpers are not used		

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

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

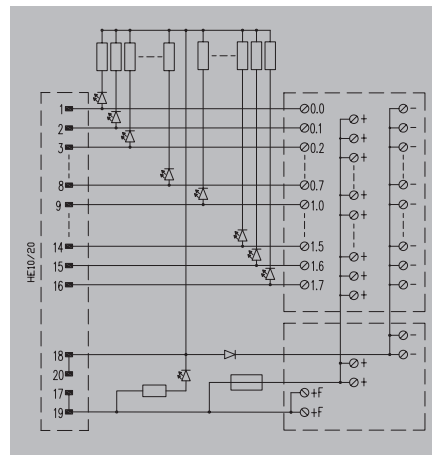
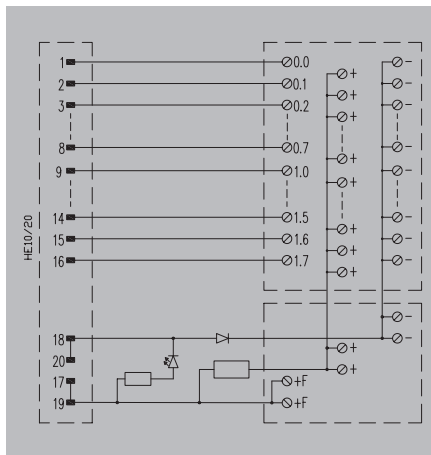
RS 16IO 3W H

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 (EN 50178)	
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 according IEC 60603-13/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, EAC	
< 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
90 mm / 87 mm	90 mm / 87 mm
The common C may carry up to 3 A if the external jumpers are not used	

Connector according IEC 60603-13/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, EAC	
< 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
90 mm / 87 mm	90 mm / 87 mm
The common C may carry up to 3 A if the external jumpers are not used	

Ordering data

	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 3W H S	72 mm	9445760000
RS 16IO 3W H Z	72 mm	1311880000

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

Accessories

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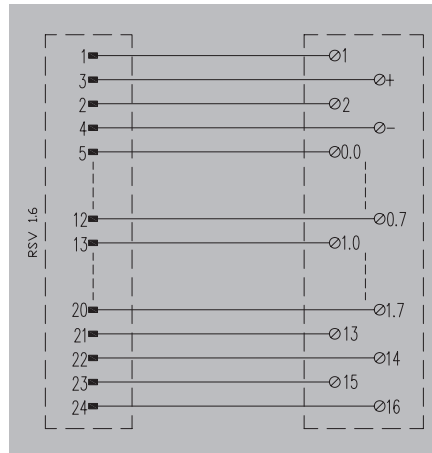
RS IO - Interface
for 16 digital signals 1-wire R system

Digital input/output passive interface

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

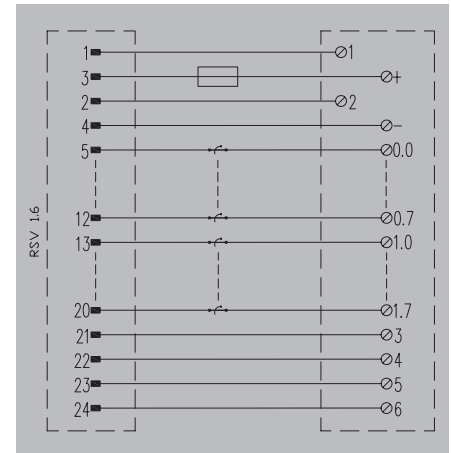
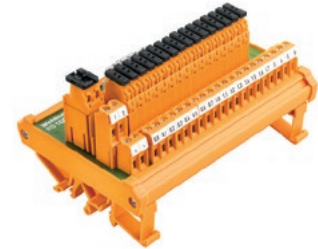
RS 16IO 1W R

R system, 1 wire



RS 16IO 1W I R

R system, 1 wire with disconnection per channel



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
LED status display per channel	
LED status of the supply voltage	
Fuse per channel	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	
Max. current per channel	
Operating voltage (supply)	
Operating current (supply)	
General data	
Ambient temperature (operational)	
Storage temperature	
Approvals	
Insulation coordination (EN 50178)	
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 without LED

Note

Accessories

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, EAC	
< 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	
97 mm / 87 mm	

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

Note

Accessories

Note

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, EAC	
< 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	
127 mm / 87 mm	

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

Note

Accessories

Note

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

Digital input/output passive interface

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

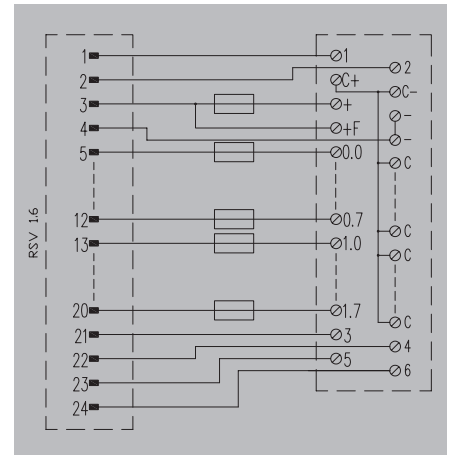
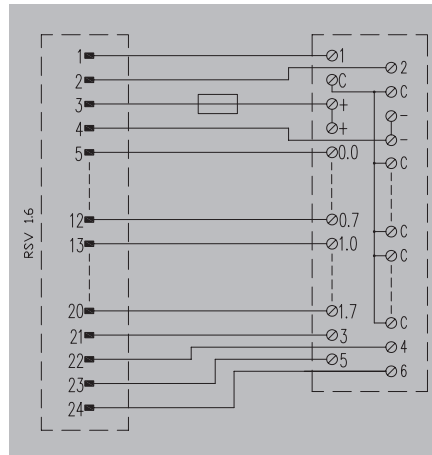
RS 16IO 2W R

R system, 2 wires



RS 16IO 2W F R

R system, 2 wires with fuse per channel



Technical data

Connection data and functionality	
Connection on control side	
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 (EN 50178)	
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, EAC	
< 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	
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, EAC	
< 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	
123 mm / 109 mm	
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 2W R S	72 mm	9441700000

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

Note

Accessories

Note

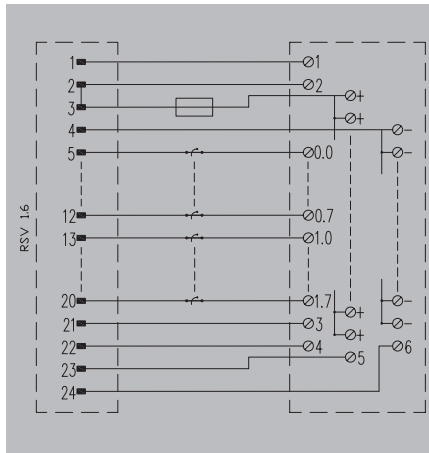
RS IO - Interface
for 16 digital signals 3-wire R system

Digital input/output passive interface

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

RS 16IO 3W I R

R system, 3 wires with disconnection per channel



Technical data

Connection data and functionality	
Connection on control side	
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	150 V UC
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	250 V AC
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 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	116 mm / 109 mm
Note	
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	
No	
3.15 A	
No	
150 V UC	
1 A	
24 V DC ± 10%	
3 A	
-25...50 °C	
-40...60 °C	
CE, EAC	
250 V AC	
II	
2	
1.5 kV	
Screw connection	
0.13 mm ² / 6 mm ²	
0.13 mm ² / 6 mm ²	
TS 32, TS 35	
116 mm / 109 mm	
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

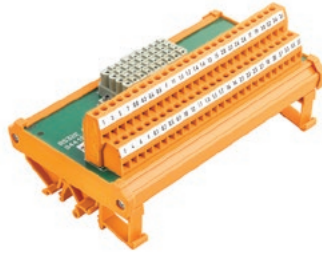
RS IO - Interface
for 32 digital signals 1-wire R system

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

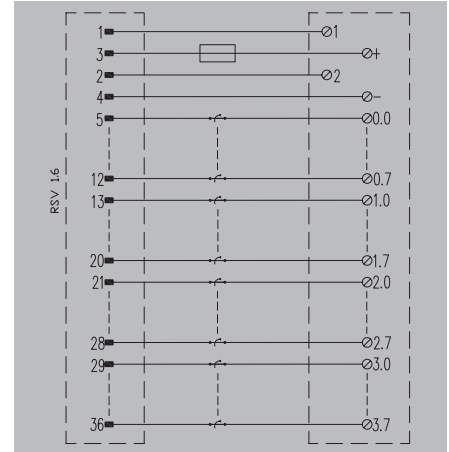
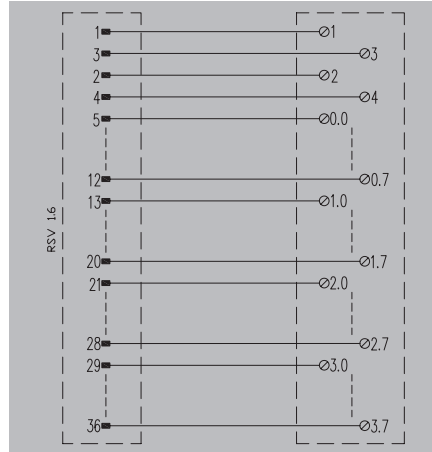
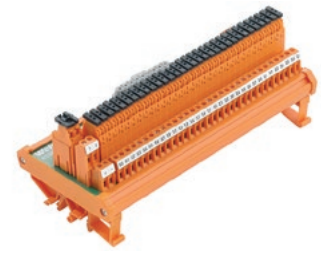
RS 3210 1W R

R system, 1 wire



RS 3210 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 (EN 50178)	
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	
No	
150 V UC	
1 A	
24 V DC ± 10%	
3 A	
-25...50°C	
-40...60 °C	
CE, EAC	
< 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	
250 V UC	
1 A	
24 V DC ± 10%	
3 A	
-25...50°C	
-40...60 °C	
CE, EAC	
< 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 3210 1W R S	72 mm	9441510000

Type	Height	Order No.
RS 3210 1W I R S	72 mm	9441870000

Note

Accessories

Note

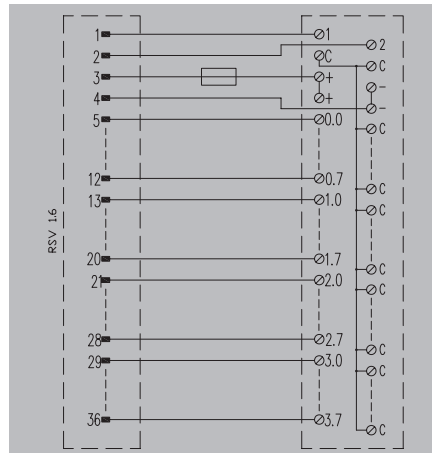
RS IO - Interface
for 32 digital signals 2-wire R system

Digital input/output passive interface

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

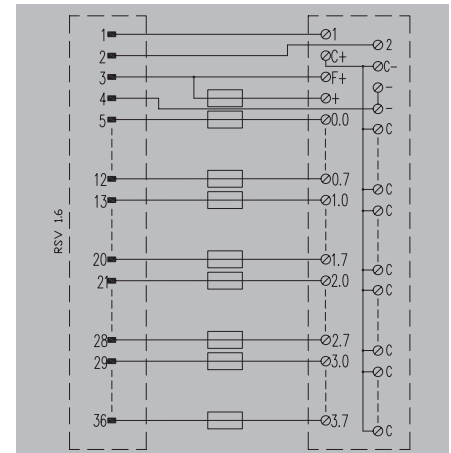
RS 32IO 2W R

R system, 2 wires



RS 32IO 2W F R

R system, 2 wires with fuse per channel



Technical data

Connection data and functionality	
Connection on control side	
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 (EN 50178)	
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, EAC	
< 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	
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, EAC	
< 150 V AC	
II	
2	
1.5 kV	
Screw connection	
0.13 mm ² / 6 mm ²	
0.13 mm ² / 6 mm ²	
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

Screw connection without LED

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

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 connection	Tension clamp connection							
Universal	A15						8005201001	RS SD15S UNC 4.40 LP2N	D.8	
							8537390000	RS SD15 SZ	D.8	
	A25						8005181001	RS SD25S UNC 4.40 LP2N	D.8	
							8537370000	RS SD25 SZ	D.8	
	A37						8003881001	RS SD37S UNC 4.40 LP2N	D.8	
							8537240000	RS SD37 SZ	D.8	
4-channels	A1504			TTTT			9448000000	RS 4AI0 DP SD S	A.52	
				TTTT			1308230000	RS 4AI0 DP SD Z	A.52	
				TTTT		(↔)	!	9448100000	RS 4AI0 I-M-DP SD S	A.52
				TTTT		(↔)	!	1308240000	RS 4AI0 I-M-DP SD Z	A.52
4-channels M	A1504M						1289090000	RS 4AI0 DP-M258 SD S	A.53	
8-channel	A2508			TTTT			9448010000	RS 8AI0 DP SD S	A.54	
				TTTT			1308250000	RS 8AI0 DP SD Z	A.54	
				TTTT		(↔)	!	9448110000	RS 8AI0 I-M-DP SD S	A.54
				TTTT		(↔)	!	9449110000	RS 8AI0 I-M-DP SD Z	A.54
8-channel P	A2508P			TTTT		(↔)	9448030000	RS 8AI PREM/APR SD S	A.55	
8-channel M	A2508M						9448040000	RS 8AI1AO MICRO SD S	A.55	
16-channel	A3716			TTTT			9448020000	RS 16AI0 DP SD S	A.56	
				TTTT			1308270000	RS 16AI0 DP SD Z	A.56	
				TTTT		(↔)	!	9448120000	RS 16AI0 I-M-DP SD S	A.56
				TTTT		(↔)	!	1308280000	RS 16AI0 I-M-DP SD Z	A.56

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
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S: Screw connection
Z: Tension clamp connection

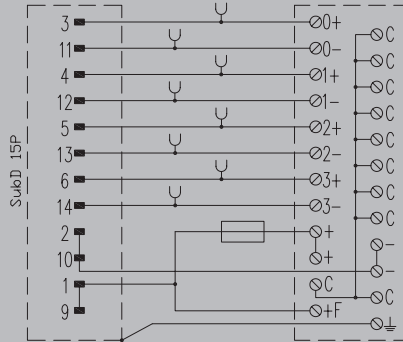
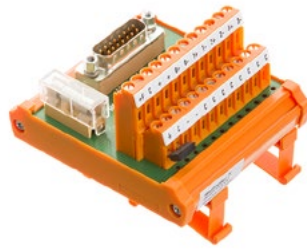
**RS A - Passive interface
for 4 analogue signals**

Analogue input/output passive interface:

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

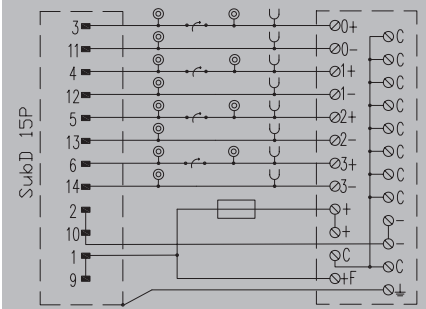
RS 4AIO DP SD

4 channels



RS 4AIO I-M-DP SD

4 channels, test points and disconnection per channel



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
LED status display per channel	
LED status of the supply voltage	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	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	75 mm / 87 mm
Note	

Ordering data

Type	Height	Order No.
RS 4AIO DP SD S	72 mm	944800000
RS 4AIO DP SD Z	72 mm	130823000

Note

Accessories

Note

Connection data and functionality	
D-sub connectors, acc. to IEC 60807 / DIN 41652	
15-pole plug	
No	
No	
3.15 A	
No	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	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	75 mm / 87 mm
Note	
The common C may carry up to 3 A if the external jumpers are not used	

Type	Height	Order No.
RS 4AIO DP SD S	72 mm	944800000
RS 4AIO DP SD Z	72 mm	130823000

Note

Accessories

Note

Connection data and functionality	
D-sub connectors, acc. to IEC 60807 / DIN 41652	
15-pole plug	
No	
No	
3.15 A	
Diameter: 4 mm	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	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	73 mm / 109 mm
Note	
The common C may carry up to 3 A if the external jumpers are not used	

Type	Height	Order No.
RS 4AIO I-M-DP SD S	81 mm	944810000
RS 4AIO I-M-DP SD Z	81 mm	130824000

Note

Accessories

Note

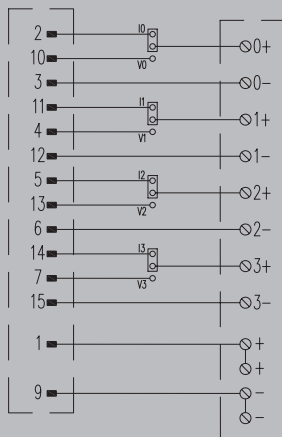
RS A - Interface
for 4 analogue signals for Schneider M258

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

D-sub connectors, acc. to IEC 60807 / DIN 41652

15-pole plug
No
No
No
No

Rated data

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

≤ 25 V AC / 50 V DC
0.5 A
24 V DC ± 10%
3 A

General data

Ambient temperature (operational)
Storage temperature
Approvals

-20...50°C
-40...60 °C
CE; EAC

Insulation coordination (EN 50178)

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

< 50 V AC
III
2
0.8 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
45 mm / 70 mm

Note

Ordering data

Screw connection

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

Note

Accessories

Note

RS A Interface
for 8 analogue signals

Analogue input/output passive interface:

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

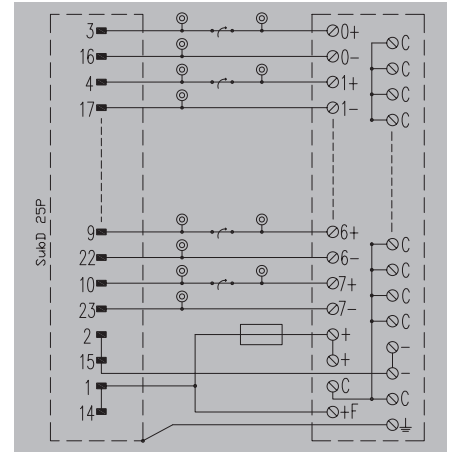
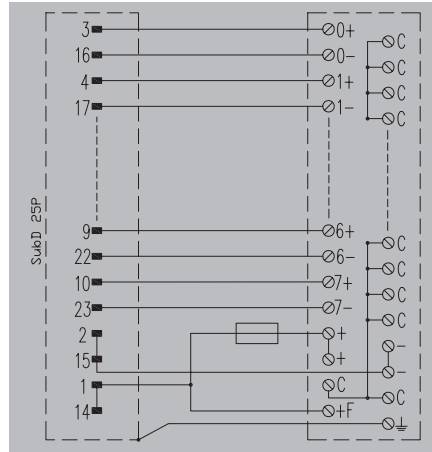
RS 8AIO DP SD

8 channels



RS 8AIO I-M-DP SD

8 channels, test points and disconnection per channel



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
LED status display per channel	
LED status of the supply voltage	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	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	117 mm / 87 mm
Note	
The common C may carry up to 3 A if the external jumpers are not used	

Connection data and functionality	
D-sub connectors, acc. to IEC 60807 / DIN 41652	
25-pole plug	
No	
No	
3.15 A	
No	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Screw connection	Tension-clamp connection
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	

Connection data and functionality	
D-sub connectors, acc. to IEC 60807 / DIN 41652	
25-pole plug	
No	
No	
3.15 A	
Diameter: 4 mm	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Screw connection	Tension-clamp connection
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

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

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

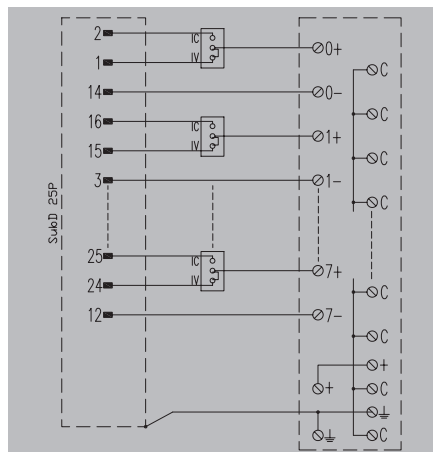
RS A - Interface
for 8 and 9 analogue signals for Schneider
Micro/Premium

Analogue input/output passive interface:

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

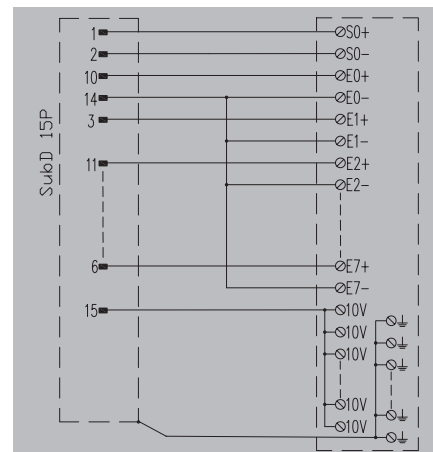
RS 8AI PREM/APR SD

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 (EN 50178)

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

Connection data and functionality

D-sub connectors, acc. to IEC 60807 / DIN 41652
25-pole plug
No
No
No
No

Rated data

≤ 25 V AC / 50 V DC
0.5 A
24 V DC ± 10%
3 A

General data

-20...50°C
-40...60 °C
CE; EAC

Insulation coordination (EN 50178)

< 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

Connection data and functionality

D-sub connectors, acc. to IEC 60807 / DIN 41652
15-pole plug
No
No
No
No

Rated data

≤ 25 V AC / 50 V DC
0.5 A
24 V DC ± 10%
3 A

General data

-20...50°C
-40...60 °C
CE; EAC

Insulation coordination (EN 50178)

< 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

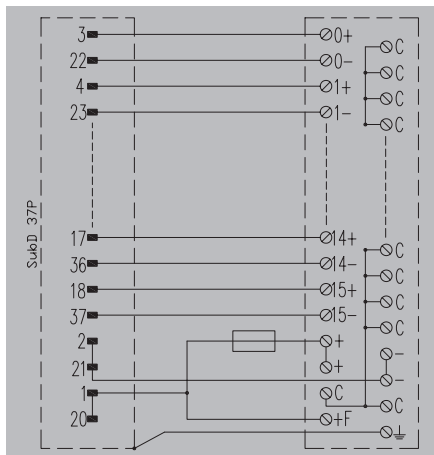
RS A Interface
for 16 analogue signals

Analogue input/output passive interface:

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

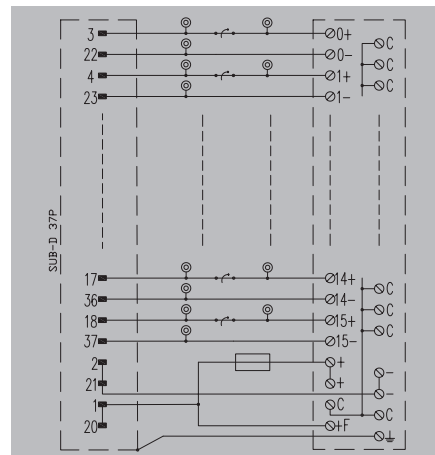
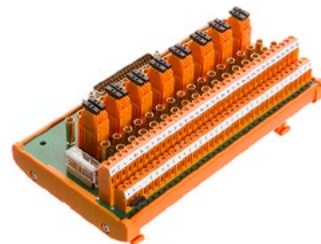
RS 16AI0 DP SD

16 channels



RS 16AI0 I-M-DP SD

16 channels, test points and disconnection per channel



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
LED status display per channel	
LED status of the supply voltage	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	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	205 mm / 87 mm
Note	

Connection data and functionality	
D-sub connectors, acc. to IEC 60807 / DIN 41652	
37-pole plug	
No	
No	
3.15 A	
No	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Screw connection	Tension-clamp connection
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	

Connection data and functionality	
D-sub connectors, acc. to IEC 60807 / DIN 41652	
37-pole plug	
No	
No	
3.15 A	
Diameter: 4 mm	
Rated data	
Operating voltage	≤ 25 V AC / 50 V DC
Max. current per channel	0.5 A
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	3 A
General data	
Ambient temperature (operational)	-20...50°C
Storage temperature	-40...60 °C
Approvals	CE; EAC
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Screw connection	Tension-clamp connection
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	

Ordering data

Type	Height	Order No.
Screw connection	81 mm	944820000
Tension-clamp connection	72 mm	1308270000

Type	Height	Order No.
RS 16AI0 DP SD S	81 mm	944820000
RS 16AI0 DP SD Z	72 mm	1308270000




Type	Height	Order No.
RS 16AI0 I-M-DP SD S	81 mm	9448120000
RS 16AI0 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 connection	Tension clamp connection				
16-channel	I2016	>C<			24 V DC	1312000000	RSM-16DI 24VDC S	A.58
		>C<			24 V DC	1312010000	RSM-16DI 24VDC Z	A.58
		>C<			48 V DC	1312020000	RSM-16DI 48VDC S	A.59
Note								

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; 6.1 mm RSS relays)

RSM-16 DI 24 V DC

6 mm relays; 24 VDC 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 (EN 50178)

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

Dimensions

- Clamping range, min./max. (field)
- Clamping range, min./max. (supply)
- Mounting rail
- Length x width

Note

Ordering data

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

Note

Accessories

Note

Technical data

- Connector according IEC 60603-13/DIN 41651
- 20-pole plug
- RSS
- green
- yellow
- 2 A

Nominal input data

- 24 V DC ± 10%
- 13 mA
- 24 V DC ± 10%
- 2 A

Nominal output data

- AgNi gold flashed
- 24 V DC ± 10%
- 0.1 A
- 1 mA
- 1 V
- 5 x 10⁶ switching cycles

General data

- 20...50°C
- 20...70 °C
- CE, EAC

Insulation coordination (EN 50178)

- ≤ 50 V DC
- ≤ 50 V DC
- III
- III
- 2
- 1.5 kV
- 0.35 kVAC
- ≥ 6 mm

Screw connection Tension clamp conn.

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
124 mm / 109 mm	124 mm / 109 mm

Note

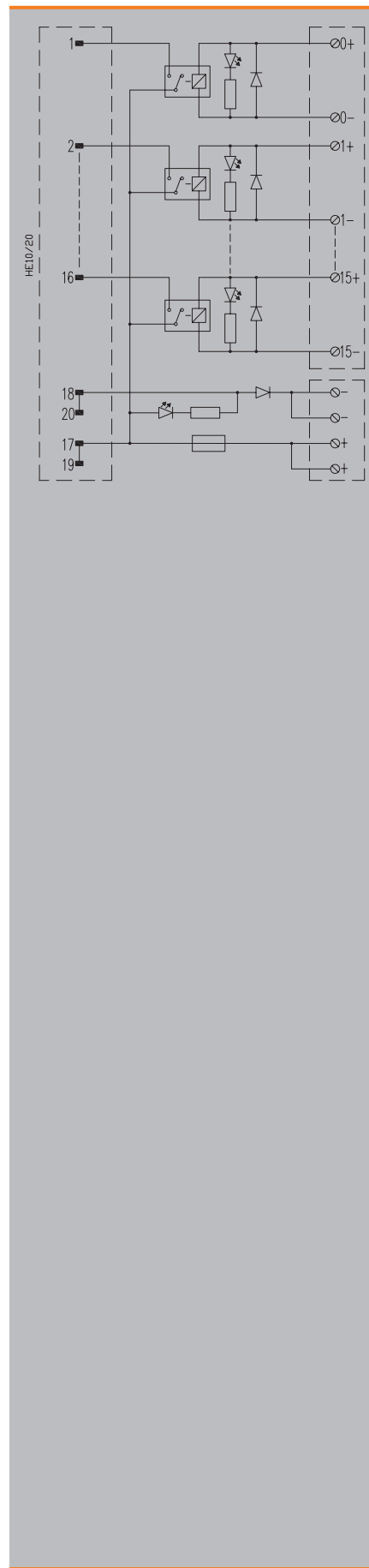
Table with 3 columns: Type, Height, Order No.

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

Note

Accessories

Relay 4061590000 RSS 24 V DC 1CD AU



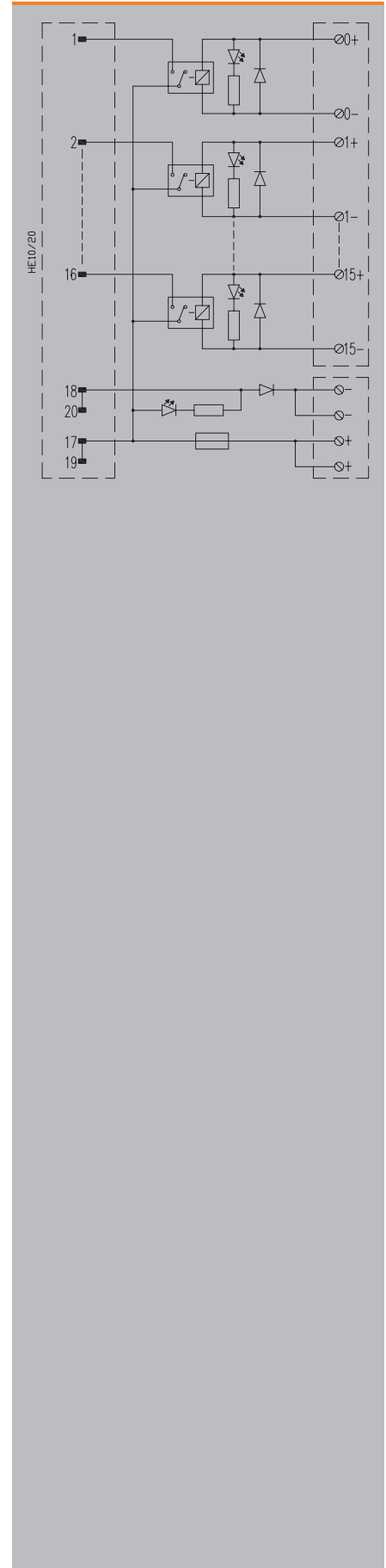
**RSM – Isolated interfaces
for 16 digital input signals**

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

- Electrical insulation using pluggable relays (interchangeable with solid-state relays; 6.1 mm RSS relays)

RSM-16 DI 48 V DC

6 mm relays; 48 VDC 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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RSS	
green	
yellow	
2 A	
48 V DC ± 10%	
10 mA	
24 V DC ± 10%	
2 A	
AgNi gold flashed	
24 V DC ± 10%	
0.1 A	
2 mA	
5 V	
10 x 10 ⁶ switching cycles	
-20...50°C	
-20...70 °C	
CE; EAC	
≤ 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	

Ordering data

Screw connection without switch

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

Note

Accessories

Note

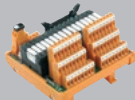
Note

Relay 1313530000 RELAY 48 V 1CD AU


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/PUSH IN									
8-channel	O2008	>C<			24 V DC	1CO				1456540000	RSMS-8H 24V+ 1CO S	A.62	
		>C<			24 V DC	1CO				1456570000	RSMS-8H 24V+ 1CO Z	A.62	
		>C<			24 V DC	1CO					1128990000	RSM-8 PLC C SW 1CO S	A.63
		>C<			24 V DC	1CO					1129000000	RSM-8 PLC C SW 1CO Z	A.63
		2 lines			24 V DC	1CO					9445000000	RSM-8 C 1CO S	A.64
		2 lines			24 V DC	1CO					9447000000	RSM-8 C 1CO Z	A.64
		1 line			24 V DC	1CO					1464780000	RSM-8H 24V+ 1CO S	A.65
		1 line			24 V DC	1CO					1464790000	RSM-8H 24V+ 1CO Z	A.65
		1 line			24 V DC	1NO					1457390000	RSM-8 24VDC 1NO + C S	A.66
1 line			24 V DC	1NO					1457400000	RSM-8 24VDC 1NO + C Z	A.66		
8-channel	O2008N Negative switching	>C<			24 V DC	1CO				1456550000	RSMS-8H 24V- 1CO S	A.67	
		>C<			24 V DC	1CO				1456580000	RSMS-8H 24V- 1CO Z	A.67	
		1 line			24 V DC	1CO				1464800000	RSM-8H 24V- 1CO S	A.68	
		1 line			24 V DC	1CO				1464810000	RSM-8H 24V- 1CO Z	A.68	
12-channel	O2012	>C<			24 V DC	1CO				1289100000	RSM-12 PLC C 1CO S	A.69	
		2 lines			24 V DC	1CO				9445060000	RSM-12 C 1CO S	A.70	
16-channel	O2016	>C<			24 V DC	1CO				1457300000	RSMS-16H 24V+ 1CO S	A.71	
		>C<			24 V DC	1CO				1457320000	RSMS-16H 24V+ 1CO Z	A.71	
		>C<			24 V DC	1CO					1129030000	RSM-16 PLC C SW 1CO S	A.72
		>C<			24 V DC	1CO					1129040000	RSM-16 PLC C SW 1CO Z	A.72
		1 line			24 V DC	1CO					1448280000	RSM-16 24V+ 1CO S	A.73
		1 line			24 V DC	1CO					1448300000	RSM-16 24V+ 1CO Z	A.73
		1 line			24 V DC (+/-)	1CO					1129120000	RSM-16 PLC SW 1CO S	A.74
		1 line			24 V DC (+/-)	1CO					1129130000	RSM-16 PLC SW 1CO Z	A.74
		2 lines			24 V DC	1CO					9445100000	RSM-16 C 1CO S	A.75
		2 lines			24 V DC	1CO					9447100000	RSM-16 C 1CO Z	A.75
		1 line			24 V DC	2CO					1449210000	RSM-16 24V+ 2CO S	A.76
		1 line			24 V DC	2CO					1449230000	RSM-16 24V+ 2CO Z	A.76
		1 line			24 V DC	1CO					9445120000	RSM-16 FUS 1CO S	A.77
		1 line			24 V DC	1CO					9447120000	RSM-16 FUS 1CO Z	A.77
		1 line			24 V DC	1CO					9445140000	RSM-16 FOR 1CO S	A.78
		1 line			24 V DC	1CO					1431720000	RSM-16 PLC I 1CO 2H S	A.79
		1 line			24 V DC	1NO					1448450000	RSM-16 24VDC 1NO + C S	A.80
		1 line			24 V DC	1NO					1448470000	RSM-16 24VDC 1NO + C Z	A.80
		1 line			24 V DC	without relays					1448480000	RSM-16 24V+ BASE S	A.81
		1 line			24 V DC	without relays					1448490000	RSM-16 24V+ BASE Z	A.81
16-channel	O2016N Negative switching	>C<			24 V DC	1CO				1457310000	RSMS-16H 24V- 1CO S	A.82	
		>C<			24 V DC	1CO				1457330000	RSMS-16H 24V- 1CO Z	A.82	
		1 line			24 V DC	1CO				1448290000	RSM-16 24V- 1CO S	A.83	
		1 line			24 V DC	1CO				1448310000	RSM-16 24V- 1CO Z	A.83	
		1 line			24 V DC	2CO				1449220000	RSM-16 24V- 2CO S	A.84	
		1 line			24 V DC	2CO				1449250000	RSM-16 24V- 2CO Z	A.84	

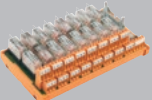
Note 1: Design: C 1 line 2 lines



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 – Isolated interfaces for digital output signals

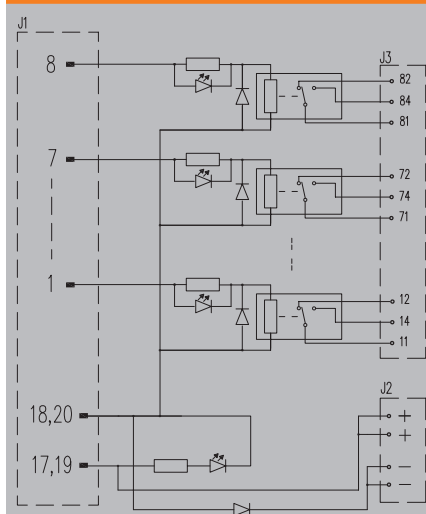
RSM – Isolated interfaces for 8 digital output signals

Digital output relay 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)
- Positive switching

RSMS-8H 24V+ 1CO

6 mm relay with 1 CO contact and without 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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RSS	
green	
yellow	
No	
No	
24 V DC ± 10%	
7.1 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
4.5 A	
100 mA	
5 V	
5 x 10 ⁶ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Screw connection	Tension clamp conn.
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
61 mm / 109 mm	61 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.
RSMS-8H 24V+ 1CO S	85 mm	1456540000
RSMS-8H 24V+ 1CO Z	76 mm	1456570000

Accessories

Note

Relay 4060120000 RSS 24 V DC 1CO

RSM – Isolated interfaces for 8 digital output signals

Digital output relay 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)
- Positive switching



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 (EN 50178)	
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	

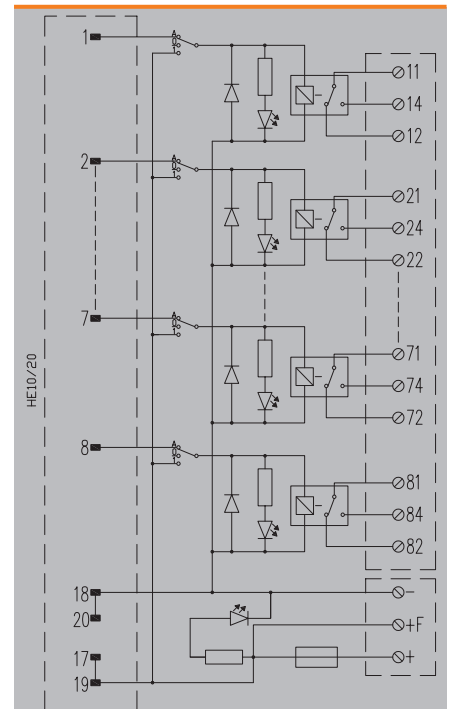
Connector according IEC 60603-13/DIN 41651		
20-pole plug		
RSS		
green		
yellow		
No		
2.5 A		
24 V DC ± 10%		
13 mA		
24 V DC ± 10%		
2 A		
AgNi 90/10		
250 V AC		
2.5 A		
0.1 A		
5 V		
5 x 10 ⁶ switching cycles		
-25...50 °C		
-40...60 °C		
CE, EAC		
< 50 V AC		
250 V AC		
III		
II		
2		
6 kV		
1.2 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	
Type	Height	Order No.
RSM-8 PLC C SW 1CO S	85 mm	1128990000
RSM-8 PLC C SW 1CO Z	80 mm	1129000000
Note		
Relay 4060120000 RSS 24 V DC 1CO		

Ordering data

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

Accessories

Note



RSM – Isolated interfaces for digital output signals

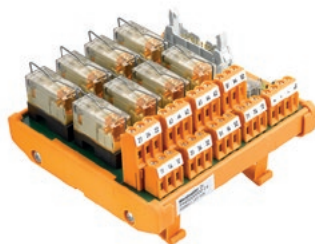
**RSM – Isolated interfaces
for 8 digital output signals**

Digital output relay 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)
- Positive switching

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 (EN 50178)	
Rated input insulation voltage	
Rated output insulation voltage	
Overtoltage category input/output	
Overtoltage 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	

Connector according IEC 60603-13/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	
10 V	
3 x 10 ⁷ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 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
Note	

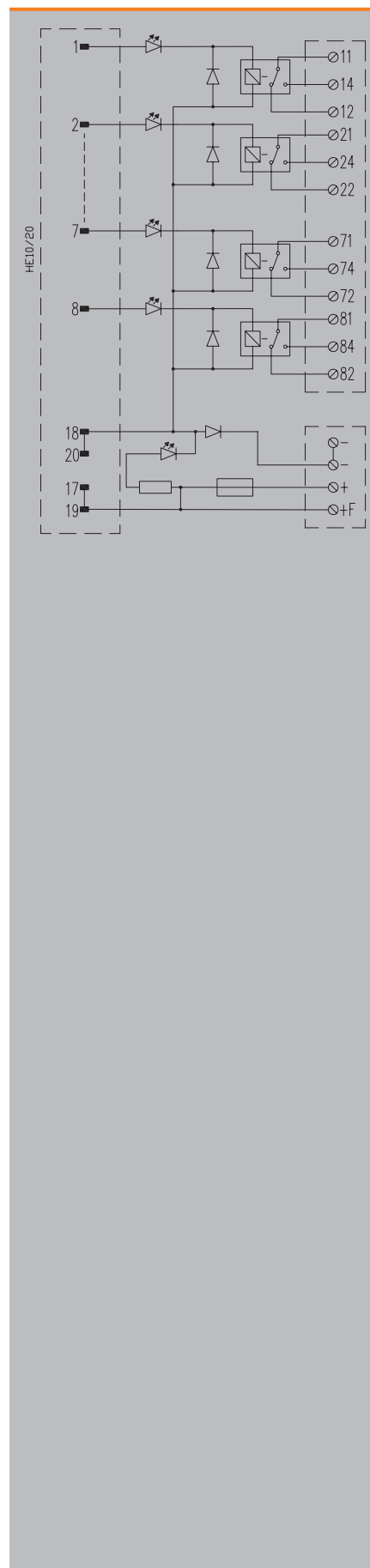
Ordering data

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

Type	Height	Order No.
RSM-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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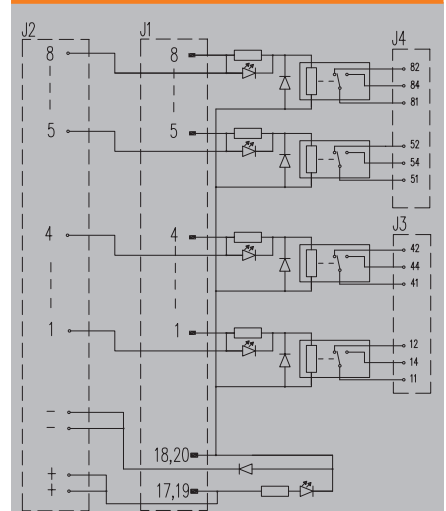
**RSM – Isolated interfaces
for 8 digital output signals**

Digital output relay 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)
- Positive switching

RSM-8H 24V+ 1CO

RCL relays (arranged in 1 row) 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 (EN 50178)	
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	

LP 5.08 + Connector according IEC 60603-13/DIN 41651 20 poles	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
16.7 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
6 A	
0.1 A	
5 V	
3 x 10 ⁷ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Screw connection	PUSH IN connection
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
130 mm / 87 mm	130 mm / 87 mm

Ordering data

Screw connection without switch	
PUSH IN connection without switch	

Type	Height	Order No.
RSM-8H 24V+ 1CO S	62 mm	1464780000
RSM-8H 24V+ 1CO Z	62 mm	1464790000

Note

Accessories

Note	
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Relay 8693260000 RCL314024 24Vdc 1CO

RSM – Isolated interfaces for digital output signals

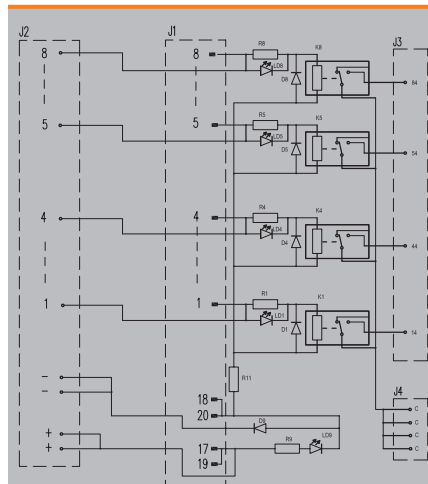
RSM – Isolated interfaces for 8 digital output signals

Digital output relay 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)
- Positive switching

RSM-8 24 V DC 1NO + C

RCL relays (arranged in 1 rows) with 1 NO 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 (EN 50178)	
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	

LP 5.08 + Connector according IEC 60603-13/DIN 41651 20 poles	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
16.7 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
6 A	
0.1 A	
5 V	
3 x 10 ⁷ switching cycles	
-25...50°C	
-40...60°C	
CE, EAC	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Screw connection	PUSH IN connection
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
130 mm / 87 mm	130 mm / 87 mm

Ordering data

	Screw connection without switch
	PUSH IN connection without switch

Type	Height	Order No.
RSM-8 24VDC 1NO + C S	62 mm	1457390000
RSM-8 24VDC 1NO + C Z	62 mm	1457400000

Note

Accessories

Note	Relay 8693260000 RCL314024 24Vdc 1CO
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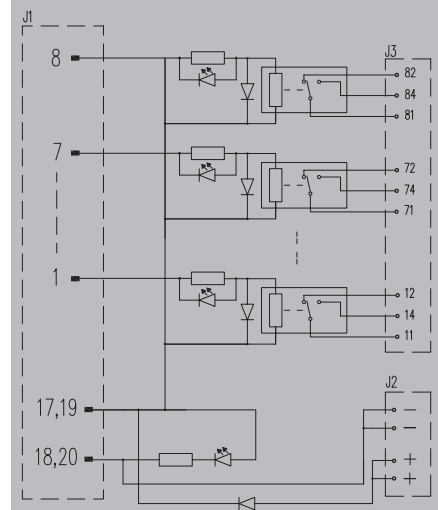
RSM – Isolated interfaces for 8 digital output signals

Digital output relay 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)
- Negative switching

RSMS-8H 24 V- 1CO

6 mm relay with 1 CO contact and without 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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RSS	
green	
yellow	
No	
No	
24 V DC ± 10%	
7.1 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
4.5 A	
100 mA	
5 V	
5 x 10 ⁶ switching cycles	
-25...50°C	
-40...60°C	
CE, EAC	
< 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
61 mm / 109 mm	61 mm / 109 mm

Ordering data

Screw connection without switch	
Tension-clamp connection without switch	

Type	Height	Order No.
RSMS-8H 24V- 1CO S	85 mm	1456550000
RSMS-8H 24V- 1CO Z	76 mm	1456580000

Note

Accessories

Note	
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Relay 4060120000 RSS V DC 1CO	
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RSM – Isolated interfaces for digital output signals

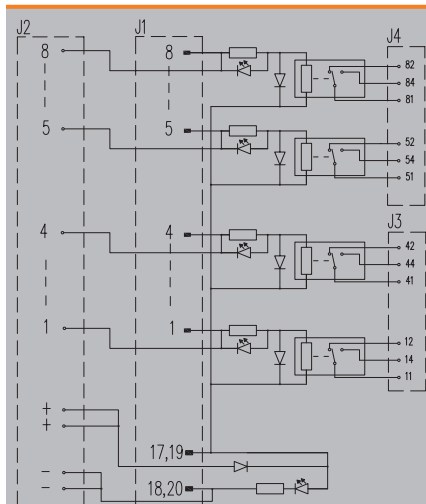
RSM – Isolated interfaces for 8 digital output signals

Digital output relay 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)
- Negative switching

RSM-8H 24 V-1CO

RCL relays (arranged in 1 row) 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 (EN 50178)	
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	

LP 5.08 + Connector according IEC 60603-13/DIN 41651 20 poles			
20-pole plug			
RCL			
green			
yellow			
No			
No			
24 V DC ± 10%			
16.7 mA			
24 V DC ± 10%			
1 A			
AgNi 90/10			
250 V AC			
6 A			
0.1 A			
5 V			
3 x 10 ⁷ switching cycles			
-25...50°C			
-40...60 °C			
CE, EAC			
< 50 V AC			
250 V AC			
III			
II			
2			
6 kV			
1.2 kVAC			
≥ 5.5 mm			
Screw connection		PUSH IN connection	
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²		
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²		
TS 32, TS 35	TS 32, TS 35		
130 mm / 87 mm	130 mm / 87 mm		
Type		Height	Order No.
RSM-8H 24V- 1CO S		62 mm	1464800000
RSM-8H 24V- 1CO Z		62 mm	1464810000
Note			
Accessories			
Note			
Relay 8693260000 RCL314024 24Vdc 1CO			

Ordering data

- Screw connection without switch
- PUSH IN connection without switch

Note

Accessories

Note

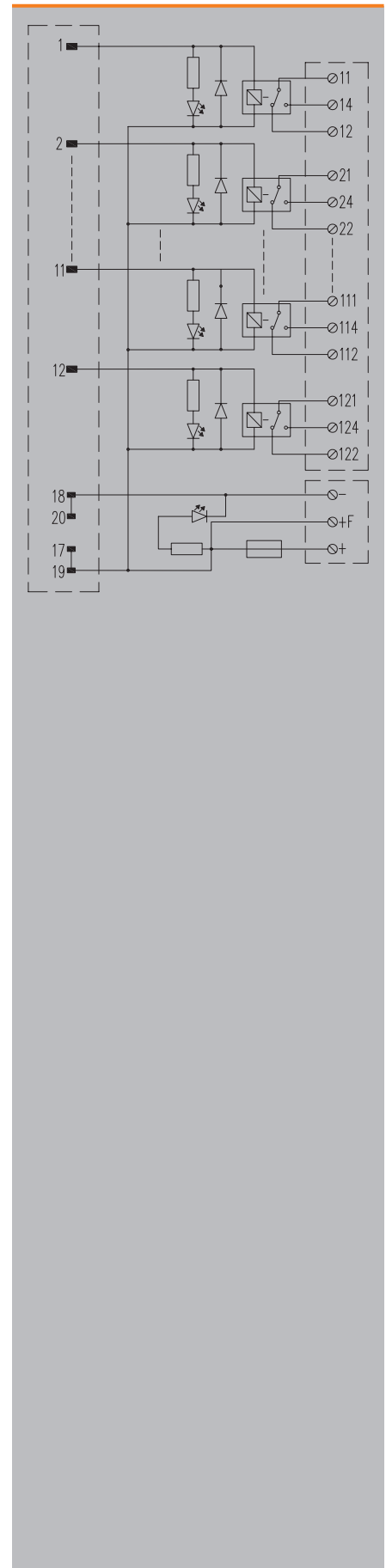
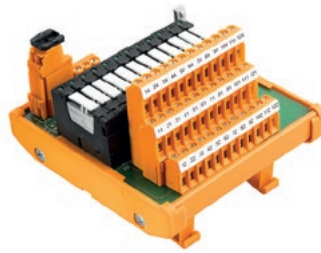
**RSM – Isolated interfaces
for 12 digital output signals**

Digital output relay 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)
- Positive switching

RSM-12 PLC 1C

6 mm 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)	
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 (EN 50178)	
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	

Connector according IEC 60603-13/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, EAC	
< 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 32, TS 35	
95 mm / 109 mm	

Ordering data

Screw connection without switch

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

Note

Accessories

Note	Relay 4060120000 RSS 24 V DC 1CO
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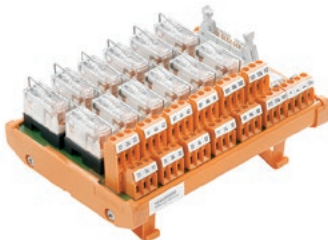
RSM – Isolated interfaces for digital output signals
**RSM – Isolated interfaces
for 12 digital output signals**

Digital output relay 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)
- Positive switching

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 (EN 50178)

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

Connector according IEC 60603-13/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

10 V

3 x 10⁷ switching cycles

-25...40°C

-40...60 °C

CE, EAC

< 50 V AC

< 250 V AC

III

II

2

6 kV

1.2 kVAC

≥ 5.5 mm

Screw connection

0.13 mm² / 6 mm²

0.13 mm² / 6 mm²

TS 35, TS 32

147 mm / 109 mm

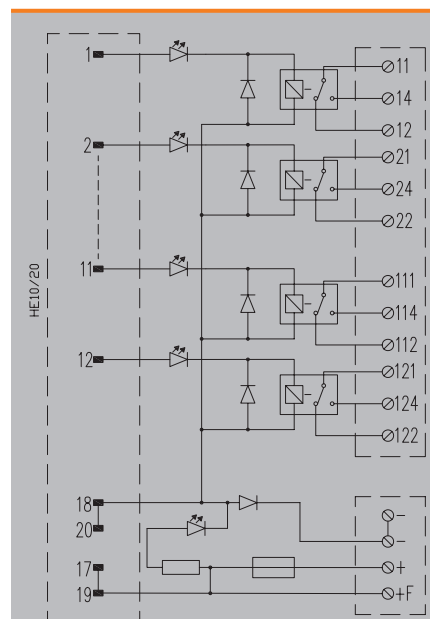
Ordering data

Screw connection without switch

Note
Accessories
Note

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

Relay 8693260000 RCL314024 24 V DC 1CO



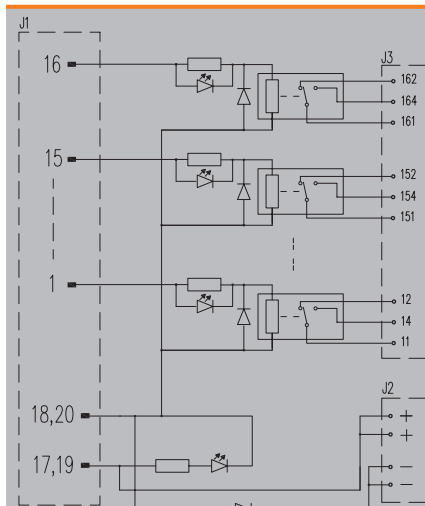
**RSM – Isolated interfaces
for 16 digital output signals**

Digital output relay 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)
- Positive switching

RSMS-16H 24V+ 1CO

6 mm relay with 1 CO contact and without 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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651					
20-pole plug					
RSS					
green					
yellow					
No					
No					
24 V DC ± 10%					
7.1 mA					
24 V DC ± 10%					
1 A					
AgNi 90/10					
250 V AC					
4.5 A					
100 mA					
5 V					
5 x 10 ⁶ switching cycles					
-25...50°C					
-40...60 °C					
CE, EAC					
< 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			
112 mm / 109 mm		112 mm / 109 mm			
Type		Height		Order No.	
RSMS-16H 24V+ 1CO S		85 mm		1457300000	
RSMS-16H 24V+ 1CO Z		76 mm		1457320000	
Note					
Accessories					
Note					
Relay 4060120000 RSS 24 V DC 1CO					

Ordering data

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

Accessories

Note	
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RSM – Isolated interfaces for digital output signals

RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Positive switching

RSM-16 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 (EN 50178)	
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	

Connector according IEC 60603-13/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, EAC			
< 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 / 6 mm ²	0.13 mm ² / 2.5 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²	0.13 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35	TS 32, TS 35	TS 32, TS 35
111 mm / 109 mm	111 mm / 109 mm	111 mm / 109 mm	111 mm / 109 mm

Ordering data

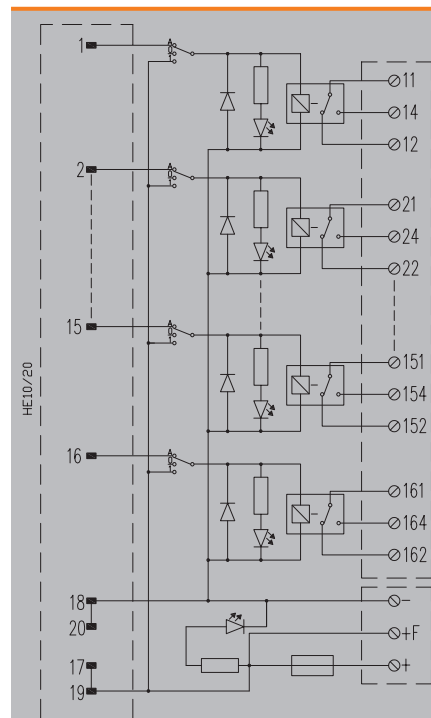
	Screw connection without switch
	Screw connection with switch
	Tension-clamp connection without switch
	Tension-clamp connection with switch
Note	

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

Accessories

Note

Relay 4060120000 RSS 24 V DC 1CO



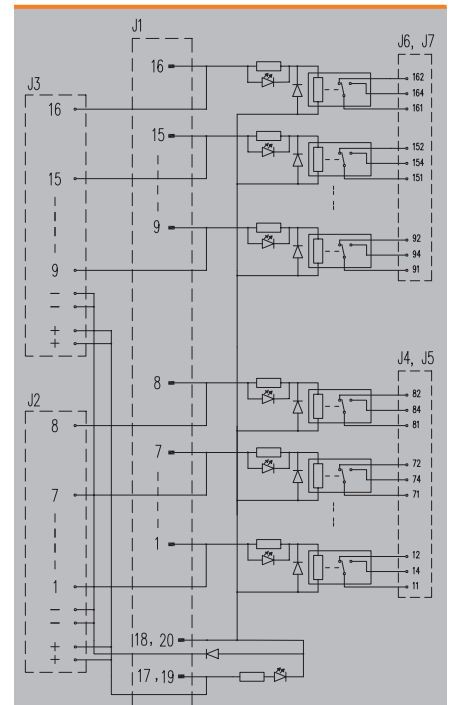
**RSM – Isolated interfaces
for 16 digital output signals**

Digital output relay 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)
- Positive switching

RSM-16 24V+ 1CO

RCL relays (arranged in 1 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	24 V DC ± 10%
Input current	16.7 mA
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	1 A
Nominal output data	
Contact material	AgNi 90/10
Operating voltage	250 V AC
Max. AC continuous current	6 A
Minimum contact current	0.1 A
Minimum contact voltage	5 V
Mechanical service life	30 x 10 ⁶ switching cycles
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination (EN 50178)	
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	259 mm / 87 mm
Note	

Connector according IEC 60603-13/DIN 41651		
20-pole plug		
RCL		
green		
yellow		
No		
No		
24 V DC ± 10%		
16.7 mA		
24 V DC ± 10%		
1 A		
AgNi 90/10		
250 V AC		
6 A		
0.1 A		
5 V		
30 x 10 ⁶ switching cycles		
Screw connection		PUSH IN connection
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²	
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²	
TS 32, TS 35	TS 32, TS 35	
259 mm / 87 mm	259 mm / 87 mm	

Ordering data

Screw connection without switch	
PUSH IN connection without switch	

Type	Height	Order No.
RSM-16 24V+ 1CO S	66 mm	1448280000
RSM-16 24V+ 1CO Z	66 mm	1448300000

Note

Accessories

Note	Relay 8693260000 RCL314024 24 V DC 1CO
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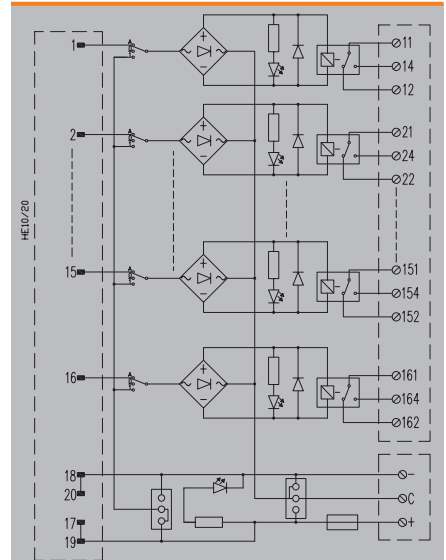
RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Positive switching

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 (EN 50178)	
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	

Connector according IEC 60603-13/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			
10 V			
3 x 10 ⁷ switching cycles			
-25...50°C			
-40...60 °C			
CE, EAC			
< 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	
Note			

Ordering data

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

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

Accessories

Note	
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Relay 8693260000 RCL314024 24 V DC 1CO
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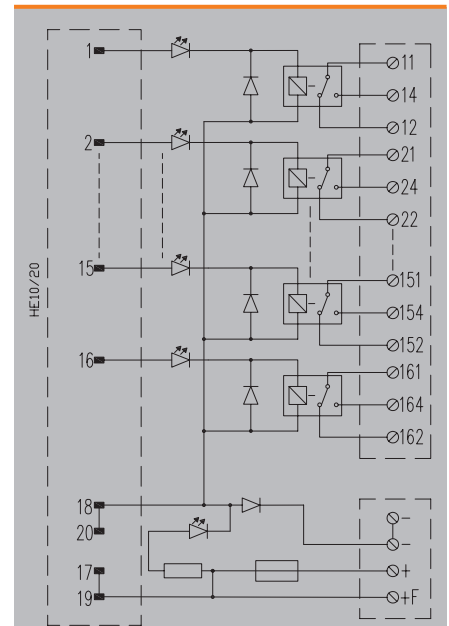
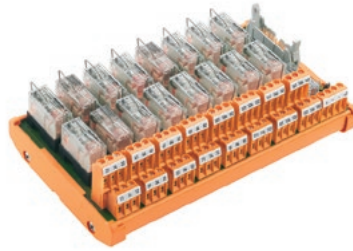
RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Positive switching

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 (EN 50178)	
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	

Connector according IEC 60603-13/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			
10 V			
3 x 10 ⁷ switching cycles			
-25...40°C			
-40...60 °C			
CE, EAC			
< 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	
Type	Height	Order No.	
RSM-16 C 1CO S	68 mm	9445100000	
RSM-16 C 1CO Z	68 mm	9447100000	
Note			
Relay 8693260000 RCL314024 24 V DC 1CO			

Ordering data

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

Accessories

Note

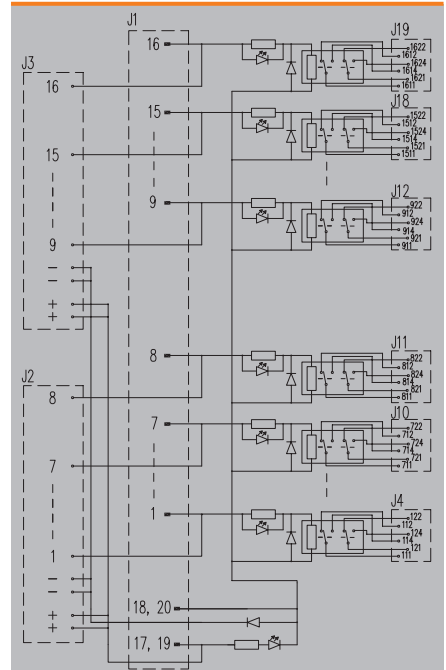
**RSM – Isolated interfaces
for 16 digital output signals**

Digital output relay 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)
- Positive switching

RSM-16 24V+ 2CO

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



Technical data

Connection data and functionality	
Connection on control side	
Number of poles (control side)	
Relay type	
LED status display per relay	
LED status of the supply voltage	
Fuse per relay	
Power supply fuse	
Nominal input data	
Input voltage	24 V DC ± 10%
Input current	16.7 mA
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	1 A
Nominal output data	
Contact material	AgNi 90/10
Operating voltage	250 V AC
Max. AC continuous current	5 A
Minimum contact current	0.1 A
Minimum contact voltage	5 V
Mechanical service life	30 x 10 ⁶ switching cycles
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination (EN 50178)	
Rated input insulation voltage	< 50 V AC
Rated output insulation voltage	250 V AC
Overtoltage category input/output	III
Overtoltage category output/output	III
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	290 mm / 109 mm
Note	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
16.7 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
5 A	
0.1 A	
5 V	
30 x 10 ⁶ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 50 V AC	
250 V AC	
III	
III	
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
290 mm / 109 mm	290 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 24V+ 2CO S	71 mm	1449210000
RSM-16 24V+ 2CO Z	66 mm	1449230000

Accessories

Note	
Relay 4058570000 RCL424024 24 V DC 2CO	

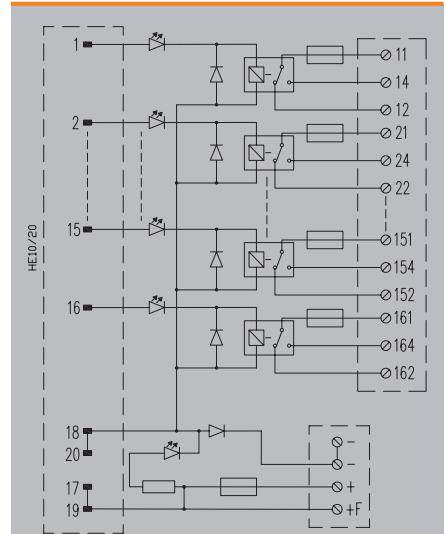
RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Positive switching

RSM-16 FUS 1CO

RCL relays, 1 CO 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 (EN 50178)	
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	

Connector according IEC 60603-13/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			
10 V			
3 x 10 ⁷ switching cycles			
-25...40°C			
-40...60 °C			
CE, EAC			
< 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	
Type	Height	Order No.	
RSM-16 FUS 1CO S	75 mm	9445120000	
RSM-16 FUS 1CO Z	75 mm	9447120000	
Note			
Relay 8693260000 RCL314024 24 V DC 1CO			

Ordering data

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

Accessories

Note

**RSM – Isolated interfaces
for 16 digital output signals**

Digital output relay 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)
- Positive switching

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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RCL	
green	
yellow	
No	
3.15 A	
24 V DC ± 10%	
17 mA	
24 V DC ± 10%	
2 A	
AgNi 90/10	
250 V AC	
2 A	
0.01 A	
10 V	
3 x 10 ⁷ switching cycles	
-25...40°C	
-40...60 °C	
CE, EAC	
< 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	
263 mm / 109 mm	

Ordering data

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

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

Accessories

Note	
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Relay 8693260000 RCL314024 24 V DC 1CO
--

RSM – Isolated interfaces

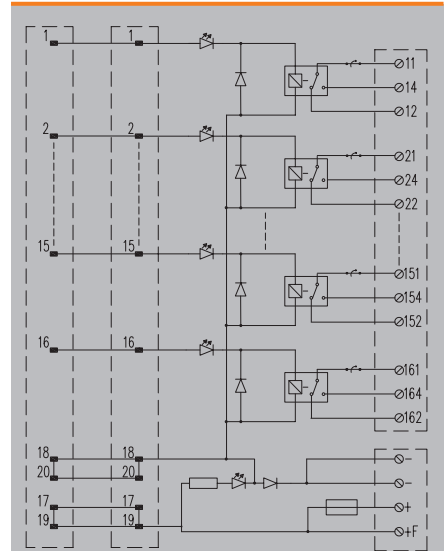
for 16 digital output signals

Digital output relay 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)
- Positive switching

RSM-16 PLC I 1CO 2H

2 ribbon connectors for redundancy and disconnecter



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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651	
20-pole	
RCL	
green	
yellow	
No	
3.15 A	
24 V DC ± 10%	
17 mA	
24 V DC ± 10%	
2 A	
AgNi 90/10	
250 V AC	
2 A	
0.01 A	
12 V	
3 x 10 ⁷ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 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	
259 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 PLC I 1CO 2H S	63 mm	1431720000

Accessories

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

RSM – Isolated interfaces for digital output signals

RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Positive switching

RSM-16 24 V DC 1NO + C

RCL relays (arranged in 1 rows) with 1 NO 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 (EN 50178)	
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	

LP 5.08 + Connector according IEC 60603-13/DIN 41651 20 poles	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
16.7 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
6 A	
0.1 A	
5 V	
3 x 10 ⁷ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Screw connection	PUSH IN connection
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
250 mm / 87 mm	250 mm / 87 mm

Ordering data

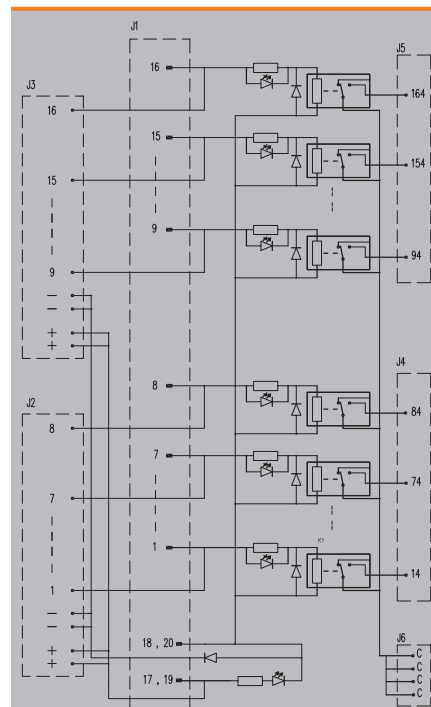
Screw connection without switch	
PUSH IN connection without switch	
Note	

Type	Height	Order No.
RSM-16 24VDC 1NO + C S	62 mm	1448450000
RSM-16 24VDC 1NO + C Z	62 mm	1448470000

Accessories

Note	
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Relay 8693260000 RCL314024 24 V DC 1C0
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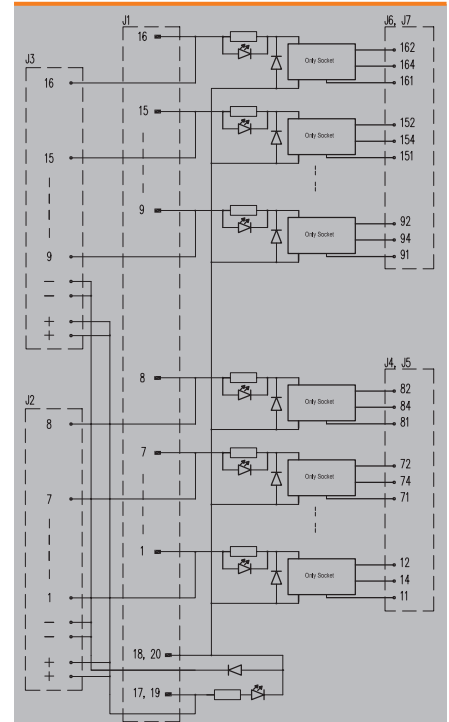
RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Positive switching

RSM-16 24 V+ BASE

RCL relays (arranged in 1 rows) without relays or SSR's



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 (EN 50178)	
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	

LP 5.08 + Connector according IEC 60603-13/DIN 41651 20 poles					
20-pole plug					
RCL					
green					
yellow					
No					
No					
24 V DC ± 10%					
24 V DC ± 10%					
1 A					
AgNi 90/10					
250 V AC					
6 A					
0.1 A					
5 V					
3 x 10 ⁷ switching cycles					
-25...50°C					
-40...60 °C					
CE, EAC					
< 50 V AC					
250 V AC					
III					
II					
2					
6 kV					
1.2 kVAC					
≥ 5.5 mm					
Screw connection		PUSH IN connection			
0.13 mm ² / 6 mm ²		0.12 mm ² / 2.5 mm ²			
0.13 mm ² / 6 mm ²		0.12 mm ² / 2.5 mm ²			
TS 32, TS 35		TS 32, TS 35			
259 mm / 87 mm		259 mm / 87 mm			
Type		Height		Order No.	
RSM-16 24V+ BASE S		51 mm		1448480000	
RSM-16 24V+ BASE Z		51 mm		1448490000	
Relay 8693260000 RCL314024 24 V DC 1C0; SSR 1132290000 24 V DC/max. 240 V AC 1 A; SSR 1132310000 24 V DC/0-24 V DC 3,5 A					

Ordering data

Screw connection without switch	
PUSH IN connection without switch	

Note

Accessories

Note	
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RSM – Isolated interfaces for digital output signals

RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Negative switching

RSMS-16H 24V- 1C0

6 mm relay with 1 CO contact and without 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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651			
20-pole plug			
RSS			
green			
yellow			
No			
No			
24 V DC ± 10%			
7.1 mA			
24 V DC ± 10%			
1 A			
AgNi 90/10			
250 V AC			
4.5 A			
100 mA			
5 V			
5 x 10 ⁶ switching cycles			
-25...50°C			
-40...60°C			
CE, EAC			
< 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	
112 mm / 109 mm		112 mm / 109 mm	

Ordering data

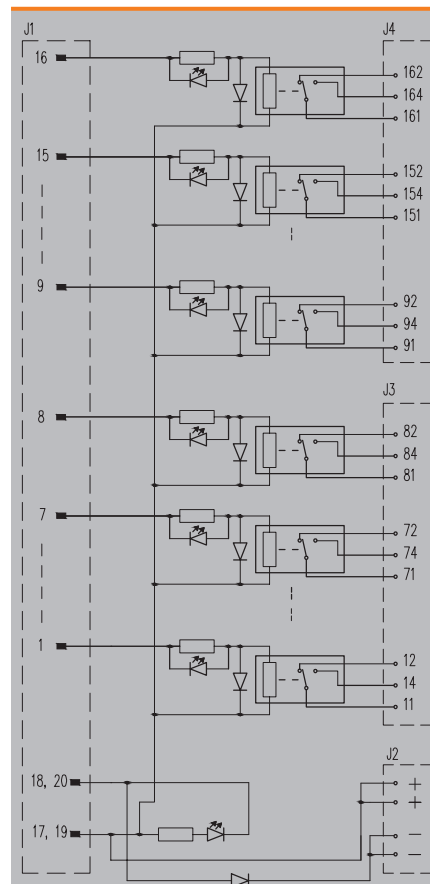
Screw connection without switch
Tension-clamp connection without switch

Type	Height	Order No.
RSMS-16H 24V- 1C0 S	85 mm	1457310000
RSMS-16H 24V- 1C0 Z	76 mm	1457330000

Note

Accessories

Relay 4060120000 RSS 24 V DC 1C0



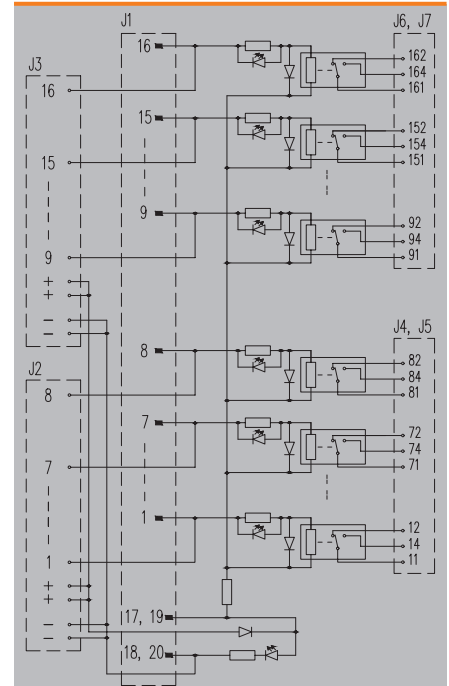
RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Negative switching

RSM-16 24V- 1CO

RCL relays (arranged in 1 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	24 V DC ± 10%
Input current	16.7 mA
Operating voltage (supply)	24 V DC ± 10%
Operating current (supply)	1 A
Nominal output data	
Contact material	AgNi 90/10
Operating voltage	250 V AC
Max. AC continuous current	6 A
Minimum contact current	0.1 A
Minimum contact voltage	5 V
Mechanical service life	30 x 10 ⁶ switching cycles
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination (EN 50178)	
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	259 mm / 87 mm
Note	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
16.7 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
6 A	
0.1 A	
5 V	
30 x 10 ⁶ switching cycles	
General data	
-25...50 °C	
-40...60 °C	
CE, EAC	
Insulation coordination (EN 50178)	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Dimensions	
Screw connection	PUSH IN connection
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
TS 32, TS 35	TS 32, TS 35
259 mm / 87 mm	259 mm / 87 mm
Note	

Ordering data

Screw connection without switch	RSM-16 24V- 1CO S
PUSH IN connection without switch	RSM-16 24V- 1CO Z

Type	Height	Order No.
RSM-16 24V- 1CO S	66 mm	1448290000
RSM-16 24V- 1CO Z	66 mm	1448310000

Note

Accessories

Note	Relay 8693260000 RCL314024 24 V DC 1CO
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RSM – Isolated interfaces for digital output signals

RSM – Isolated interfaces for 16 digital output signals

Digital output relay 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)
- Negative switching

RSM-16 24V- 2CO

RCL relays (arranged in 1 rows) with 2 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 (EN 50178)	
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	

Connector according IEC 60603-13/DIN 41651	
20-pole plug	
RCL	
green	
yellow	
No	
No	
24 V DC ± 10%	
16.7 mA	
24 V DC ± 10%	
1 A	
AgNi 90/10	
250 V AC	
5 A	
0.1 A	
5 V	
30 x 10 ⁶ switching cycles	
-25...50°C	
-40...60 °C	
CE, EAC	
< 50 V AC	
250 V AC	
III	
III	
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
290 mm / 109 mm	290 mm / 109 mm

Ordering data

Screw connection without switch	
Tension-clamp connection without switch	

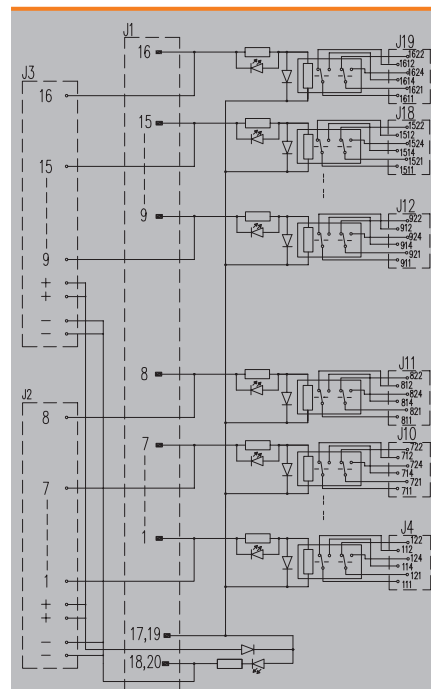
Type	Height	Order No.
RSM-16 24V- 2CO S	71 mm	1449220000
RSM-16 24V- 2CO Z	66 mm	1449250000

Note

Accessories

Note	
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Note	
Relay 4058570000 RCL424024 24 V DC 2CO	



Dedicated solution for Honeywell C300

Dedicated solution for Honeywell C300	Honeywell C300 – General description	B.2
	Honeywell C300 – Selection guide	B.5
	Honeywell C300 – FTA C300 Input/output passive interface	B.6
	Honeywell C300 – FTA C300 Isolated interface per relay	B.11
	Honeywell C300 – Interconnection cables	B.13

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.

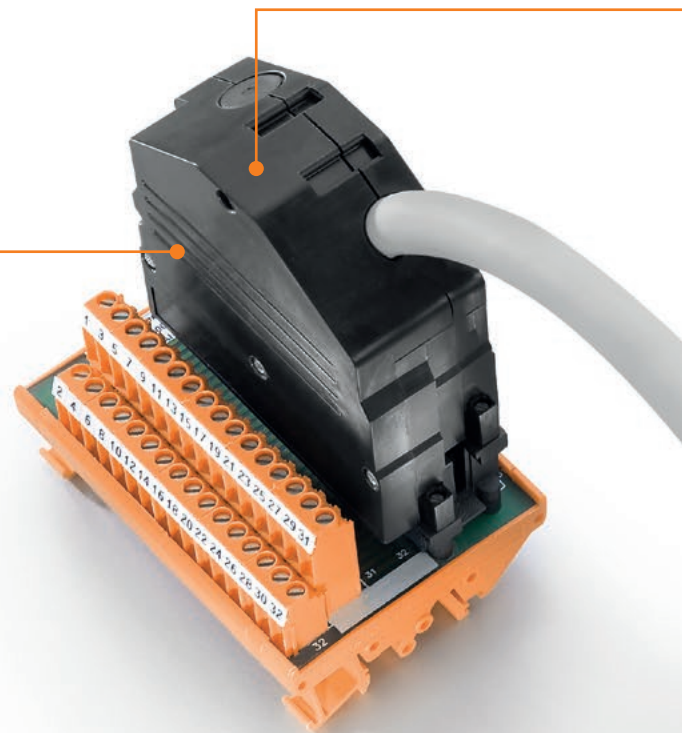
The IOTAs (Input Output Terminal Assemblies) are designed using Weidmüller PCB connectors and terminals. This design gives you the flexibility to connect directly to the field cabling wire to wire or with a pre-assembled cable in combination with Weidmüller's FTAs. In comparison to traditional wire-to-wire 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.

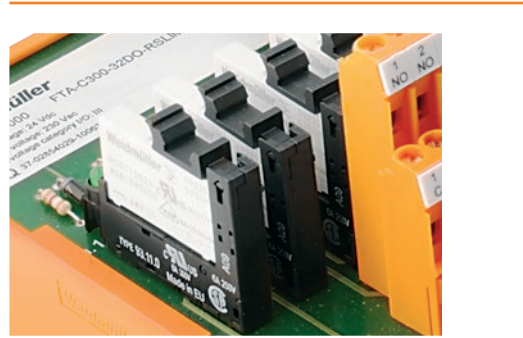
Minimised wiring effort

Pluggable connectors and cables minimise the on site wiring effort.



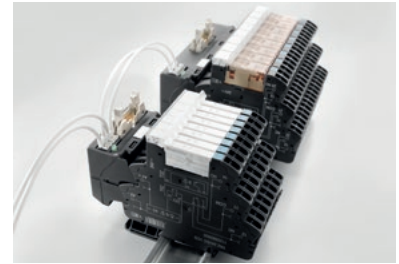
High current switching capability

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



TERMSERIES interface adapter

Our pre-assembled plug-and-play solution with TERMSERIES interface adapter enables and minimised wiring effort. See Chapter E



Clear identification

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



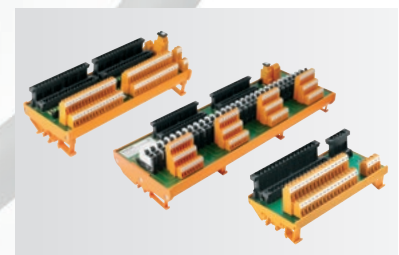
Excellent flexibility

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.



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 Honeywell IOTA		STEP 2 Pre-assembled cables		STEP 3 FTA (Weidmüller Interfaces)								Order No.	Type	Page	
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				
32 DI	CC-TDIL01 CC-TDIL11	C300-32B-320B (Premium) or PAC-C300-3232 (Basic) page B.13	2	32						Yes		1	1221550000	FTA-C300-32DIOHV-S	B.6
										Yes		1	1222940000	FTA-C300-32DHL-D-S	B.6
										Yes	Relay Gold	1	1312040000	FTA-C300-32DI-24VDC-S	B.11
										Yes		1	1221560000	FTA-C300-32DIOHV-Z	B.6
										Yes		1	1222950000	FTA-C300-32DHL-D-Z	B.6
										No		2	1222980000	FTA-C300-16AO-SH-S	B.9
32 DI High voltage	CC-TDI110 CC-TDI120 CC-TDI220 CC-TDI230	C300-32B-320B (Premium) or PAC-C300-3232 (Basic) page B.13	2	32						Yes		1	1221550000	FTA-C300-32DIOHV-S	B.6
										Yes		1	1221560000	FTA-C300-32DIOHV-Z	B.6
										No		2	1222980000	FTA-C300-16AO-SH-S	B.9
										No		2	1222990000	FTA-C300-16AO-SH-Z	B.9
										No		2	1223010000	FTA-C300-16AO-SH-P	B.9
										No		2	1222980000	FTA-C300-16AO-SH-S	B.9
32 DO	CC-TDOB01 CC-TDOB11	C300-32B-320B (Premium) or PAC-C300-3232 (Basic) page B.13	2	32						Yes		1	1221550000	FTA-C300-32DIOHV-S	B.6
										Yes		1	1221590000	FTA-C300-32DO-LD-S	B.7
										Yes		1	1246910000	FTA-C300-32DO-FUSE-S	B.7
										Yes	Relay 6A	1	1221570000	FTA-C300-32DO-SLIM-S	B.12
										Yes		1	1221560000	FTA-C300-32DIOHV-Z	B.6
										Yes		1	1221600000	FTA-C300-32DO-LD-Z	B.7
									Yes	Relay 6A	1	1221580000	FTA-C300-32DO-SLIM-Z	B.12	
									No		2	1222980000	FTA-C300-16IO-SH-S	B.9	
									No		2	1223020000	FTA-C300-16AO-TEST-S	B.9	
									No		2	1222990000	FTA-C300-16AO-SH-Z	B.9	
									No		2	1223030000	FTA-C300-16AO-TEST-Z	B.9	
				16 AO	CC-TAOX01 CC-TAOX11 CC-TAON01 CC-TAON11	C300-32B-320B (Premium) or PAC-C300-3232 (Basic) page B.13	1	16						No	
										No		1	1223020000	FTA-C300-16AO-TEST-S	B.9
										No		1	1222990000	FTA-C300-16AO-SH-Z	B.9
										No		1	1223030000	FTA-C300-16AO-TEST-Z	B.9
										No		1	2000020000	FTA-C300-16AO-TP-Z	B.10
										No		1	1223010000	FTA-C300-16AO-SH-P	B.9
16 AI	CC-TAIX01 CC-TAIX11 CC-TAIX51 CC-TAIX61	C300-36B-324B (Premium) or PAC-C300-3636 (Basic) page B.14	1	16						No		1	1247120000	FTA-C300-16AI-SH-S	B.8
										No		1	1247140000	FTA-C300-16AI-TEST-S	B.8
										No		1	1247130000	FTA-C300-16AI-SH-Z	B.8
										No		1	1247150000	FTA-C300-16AI-TEST-Z	B.8
Universal IO	CC-TUI001 CC-TUI011	C300-32B-320B (Premium) or PAC-C300-3232 (Basic) page B.13	2	16						No		2	1222980000	FTA-C300-16IO-SH-S	B.9
										No		2	1222990000	FTA-C300-16AO-SH-Z	B.9
										No		2	2000020000	FTA-C300-16AO-TP-Z	B.10
										No		2	1223010000	FTA-C300-16AO-SH-P	B.9

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

Honeywell C300 - FTA C300 Input/output passive interface

Honeywell C300 - FTA C300

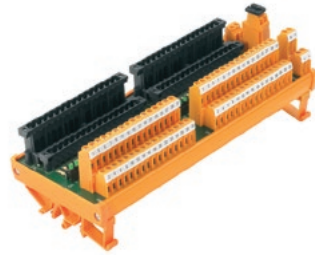
Input/output passive interface for digital cards

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

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

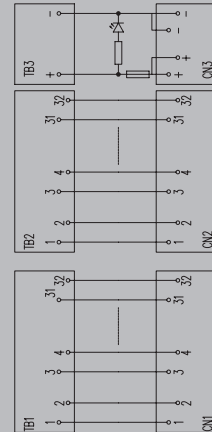
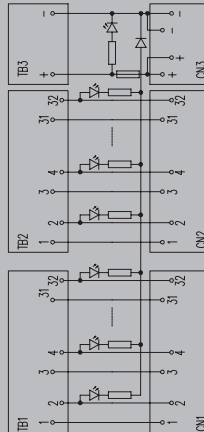
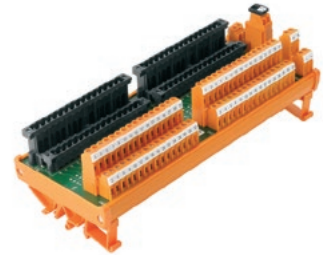
FTA-C300-32DI-LD

For: CC-TDIL01, CC-TDIL11



FTA-C300-32DIOHV

For: 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	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.35 kVAC
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	
Clamping range, min./max. (supply)	
Rail	TS 35, TS 32
Length x width	216 mm / 87 mm
Note	

Ordering data

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

Note: Screw connection / Tension clamp connection

Connection data and functionality	
SLDV-THR 5.08	
green	
yellow	
No	
630 mA	
No	
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.35 kVAC
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	
Clamping range, min./max. (supply)	
Rail	TS 35, TS 32
Length x width	216 mm / 87 mm
Note	

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

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

Connection data and functionality	
SLDV-THR 5.08	
No	
yellow	
No	
630 mA	
No	
Rated data	
Operating voltage	≤ 250 V AC
Max. current per channel	1 A
Operating voltage (supply)	24 V DC ± 10%
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination	
Rated insulation voltage	< 250 V AC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	1.2 kVAC
Pulse voltage test (1,2/50µs)	2 kV
Dimensions	
Clamping range, min./max. (field)	
Clamping range, min./max. (supply)	
Rail	TS 35, TS 32
Length x width	216 mm / 87 mm
Note	

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

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

Accessories

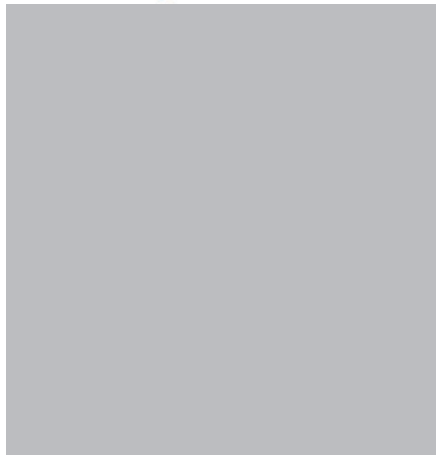
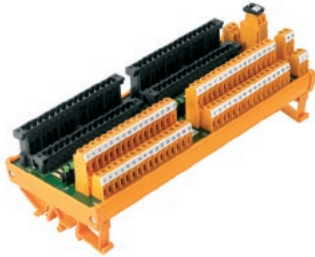
Note

Note

Note

FTA-C300-32D0-LD

For: CC-TD0B01, CC-TD0B11



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

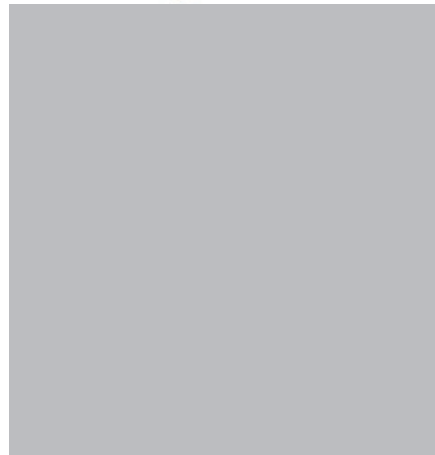
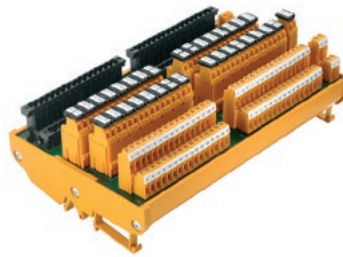
Screw connection	Tension-clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 35, TS 32	TS 35, TS 32
216 mm / 87 mm	216 mm / 87 mm

Type	Height	Order No.
FTA-C300-32D0-LD-S	65 mm	1221590000
FTA-C300-32D0-LD-Z	65 mm	1221600000



FTA-C300-32D0-FUSE

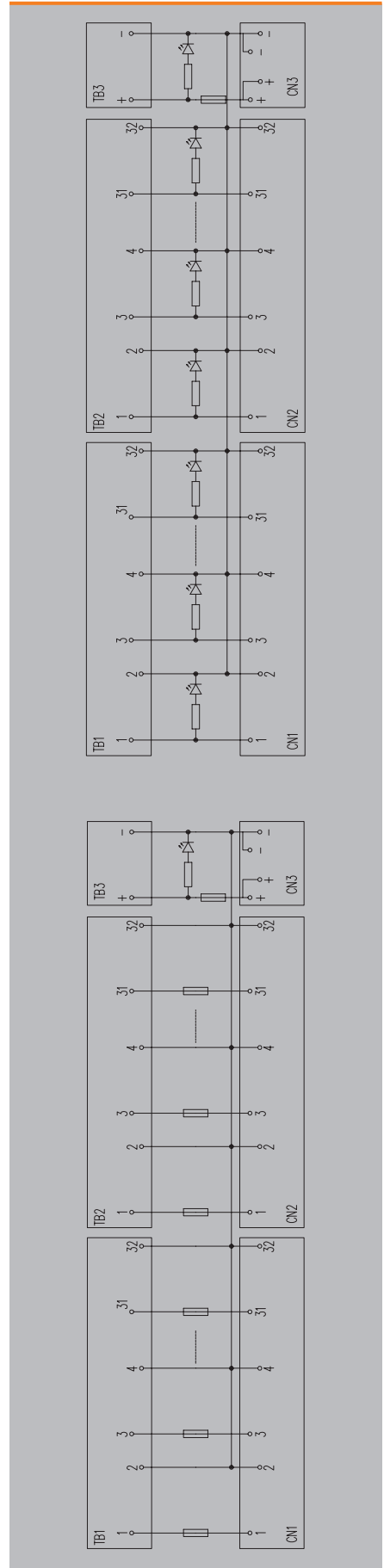
For: CC-TD0B01, CC-TD0B11



SLDV-THR 5.08
No
yellow
500 mA
5 A
No
24 V DC ± 10%
1 A
24 V DC ± 10%
-25...50 °C
-40...60 °C
CE; EAC
< 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, TS 32	TS 35, TS 32
217 mm / 133 mm	217 mm / 133 mm

Type	Height	Order No.
FTA-C300-32D0-FUSE-S	95 mm	1246910000
FTA-C300-32D0-FUSE-Z	95 mm	1246920000



Honeywell C300 - FTA C300 Input/output passive interface

Honeywell C300 - FTA C300

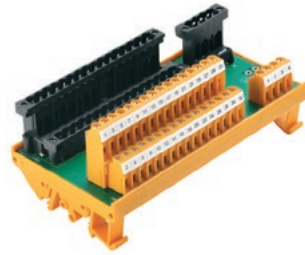
Input/output passive interface for analogue and digital cards

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 shielding

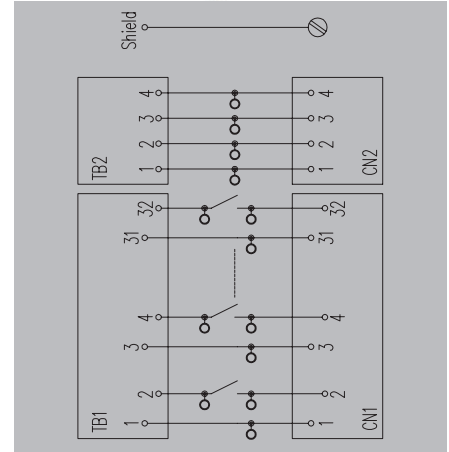
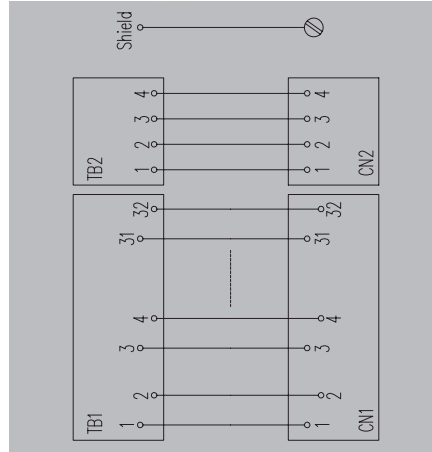
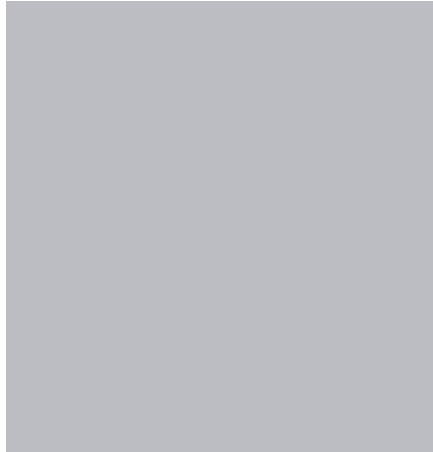
FTA-C300-16AI-SH

For: CC-TAIX01, CC-TAIX11, CC-TAIX51, CC-TAIX61



FTA-C300-16AI-TEST

For: CC-TAIX01, CC-TAIX11, CC-TAIX51, CC-TAIX61



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	250 V AC / 350 V DC
Max. current per channel	1 A
Operating voltage (supply)	
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination	
Rated insulation voltage	< 250 V AC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	1.2 kVAC
Pulse voltage test (1,2/50µs)	2 kV
Dimensions	
Clamping range, min./max. (field)	
Clamping range, min./max. (supply)	
Rail	TS 35, TS 32
Length x width	135 mm / 70 mm
Note	

SLDV-THR 5.08					
No					
No					
No					
No					
No					
No					
Diameter: 2 mm					
250 V AC / 350 V DC					
1 A					
-25...50 °C					
-40...60 °C					
CE, EAC					
< 250 V AC					
II					
2					
1.2 kVAC					
2 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, TS 32		TS 35, TS 32			
135 mm / 70 mm		135 mm / 70 mm			
Type		Height		Order No.	
FTA-C300-16AI-SH-S		56 mm		1247120000	
FTA-C300-16AI-SH-Z		56 mm		1247130000	

SLDV-THR 5.08					
No					
No					
No					
No					
No					
No					
Diameter: 2 mm					
24 V DC ± 10%					
1 A					
-25...50 °C					
-40...60 °C					
CE, EAC					
≤ 50 V DC					
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, TS 32		TS 35, TS 32			
141 mm / 133 mm		141 mm / 133 mm			
Type		Height		Order No.	
FTA-C300-16AI-TEST-S		95 mm		1247140000	
FTA-C300-16AI-TEST-Z		95 mm		1247150000	

Ordering data

Screw connection	
Tension clamp connection	
Plug-in connection	
Note	
Accessories	
Note	

Note	
Accessories	
Note	

Note	
Accessories	
Note	
Test plug PS 2.0 MC 0310000000	

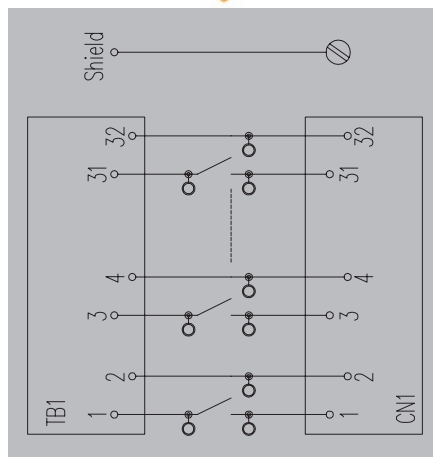
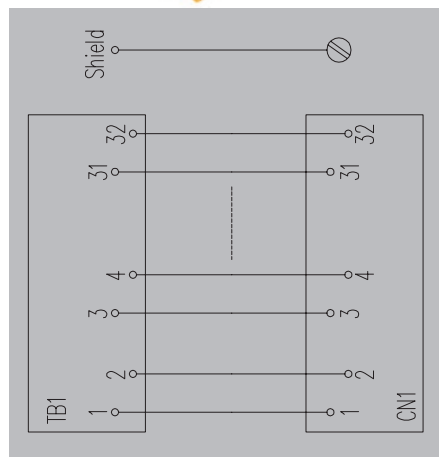
FTA-C300-16AO-SH

CC-TDI 110/120/220/230/L01/L11, TDOB01/11, TAOX 01/11; TUI01/11



FTA-C300-16AO-TEST

For: CC-TDOB01, CC-TDOB11, CC-TAOX01, CC-TAOX11, CC-TAON01, CC-TAON11



SLDV-THR 5.08
No
No
No
No
No
250 V AC / 350 V DC
1 A

-25...50 °C
-40...60 °C
CE; EAC
< 250 V AC
II
2
1.2 kVAC
2 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, 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

SLDV-THR 5.08
No
No
No
No
Diameter: 2 mm
24 V DC ± 10%
1 A

-25...50 °C
-40...60 °C
CE; EAC
≤ 50 V DC
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, TS 32	TS 35, TS 32
110 mm / 133 mm	110 mm / 133 mm

The power connector is not supplied in the interface for digital cards

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

Test plug PS 2.0 MC 0310000000

Honeywell C300 - FTA C300 Input/output passive interface

Honeywell C300 - FTA C300

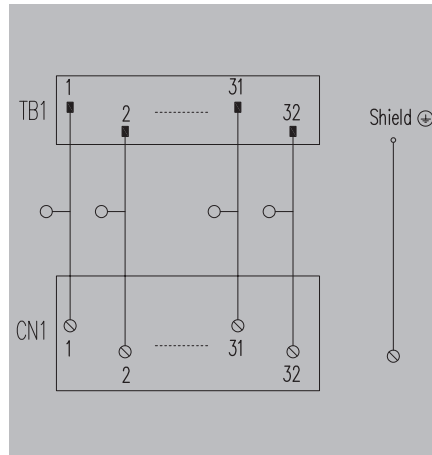
Input/output passive interface for analogue and digital cards

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

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

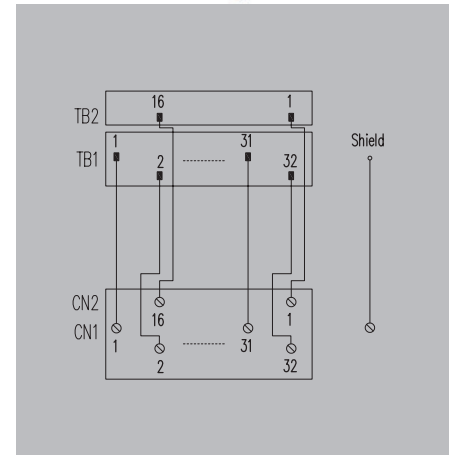
FTA-C300-16AO-TP

For: CC-TDOB01/11, CC-TAOX01/11, CC-TAON01/11, CC-TUI001/11



FTA-C300-16DAI-SH

For: CC-TAID01, CC-TAID11



Technical data

Connection data and functionality	
Connection on control side	
LED status display per channel	
LED status of the supply voltage	
Fuse per channel	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination	
Rated insulation voltage	≤ 50 V DC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.35 kVAC
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	
Clamping range, min./max. (supply)	
Rail	TS 35, TS 32
Length x width	105 mm / 86 mm
Note	

Ordering data

Type	Height	Order No.
FTA-C300-16AO-TP-Z	66 mm	2000020000
Note		
Accessories		
Note		

Connection data and functionality	
Connection on control side	
LED status display per channel	
LED status of the supply voltage	
Fuse per channel	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Operating voltage (supply)	
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination	
Rated insulation voltage	≤ 50 V DC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	0.6 kVAC
Pulse voltage test (1,2/50µs)	1 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 35, TS 32	TS 35, TS 32
105 mm / 109 mm	105 mm / 109 mm
Note	

Type	Height	Order No.
FTA-C300-16DAI-SH-S	85 mm	1415220000
FTA-C300-16DAI-SH-Z	80 mm	1415230000
Note		
Accessories		
Note		

Connection data and functionality	
Connection on control side	
LED status display per channel	
LED status of the supply voltage	
Fuse per channel	
Power supply fuse	
Type of test point	
Rated data	
Operating voltage	24 V DC ± 10%
Max. current per channel	1.5 A
Operating voltage (supply)	
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE, EAC
Insulation coordination	
Rated insulation voltage	≤ 50 V DC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	0.6 kVAC
Pulse voltage test (1,2/50µs)	1 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 35, TS 32	TS 35, TS 32
105 mm / 109 mm	105 mm / 109 mm
Note	

Type	Height	Order No.
FTA-C300-16DAI-SH-S	85 mm	1415220000
FTA-C300-16DAI-SH-Z	80 mm	1415230000
Note		
Accessories		
Note		

Honeywell C300 - FTA C300

Isolated input interface for digital cards

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

- Clear identification: same connector and position on the FTA and on the IOTA
- Reinforced insulation at input/output (basic between contacts)
- Possibility of powering the IOTA from the FTA
- Screw or tension clamp connection

FTA-C300-32DI-24 V DC

For: CC-TDIL01, CC-TDIL11



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. DC continuous current	
General data	
Ambient temperature (operational)	
Storage temperature	
Approvals	
Insulation coordination	
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
630 mA
24 V DC ± 10%
13 mA
24 V DC ± 10%
AgNi gold flashed
24 V DC ± 10%
0.1 A
-25...50 °C
-40...60 °C
CE, EAC
< 50 V AC
< 50 V AC
III
III
2
1.5 kV
0.35 kVAC
≥ 6 mm

Dimensions	
Clamping range, min./max. (field)	
Clamping range, min./max. (supply)	
Rail	
Length x width	
Note	

Screw connection	
0.13 mm ² / 6 mm ²	
0.13 mm ² / 6 mm ²	
TS 35, TS 32	
244 mm / 131 mm	

Ordering data

Screw connection

Type	Height	Order No.
FTA-C300-32DI-24VDC-S	65 mm	1312040000

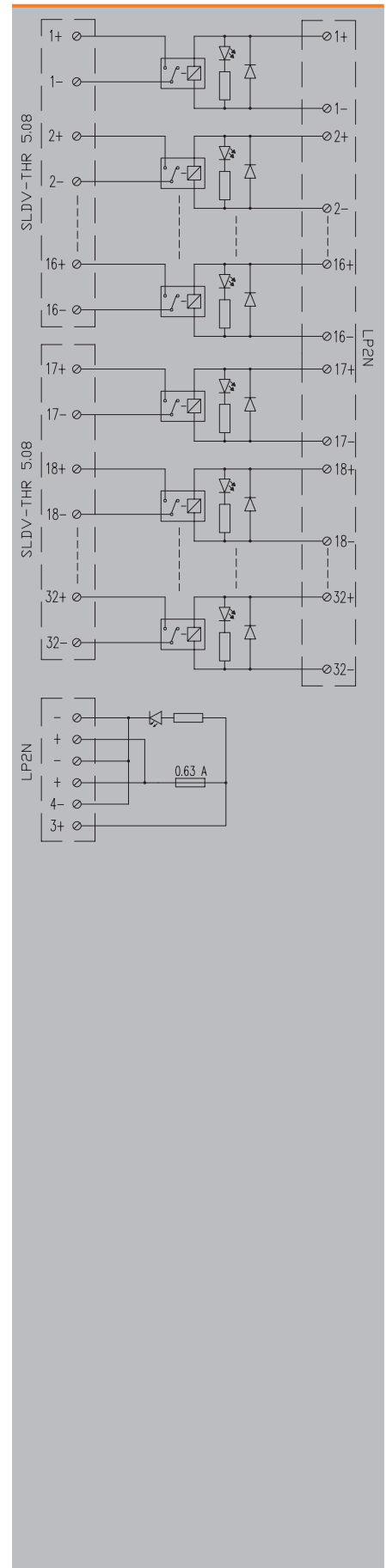
Note

Accessories

Note

Note

Relay 4061590000 RSS 24 V DC 1 CD AU



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

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 ± 10%
13 mA
24 V DC ± 10%

AgNi 90/10
250 V
4 A
-25...50 °C
-40...60 °C
CE, EAC
< 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)
 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
368 mm / 133 mm	368 mm / 133 mm

Ordering data

	Screw connection
	Tension clamp connection

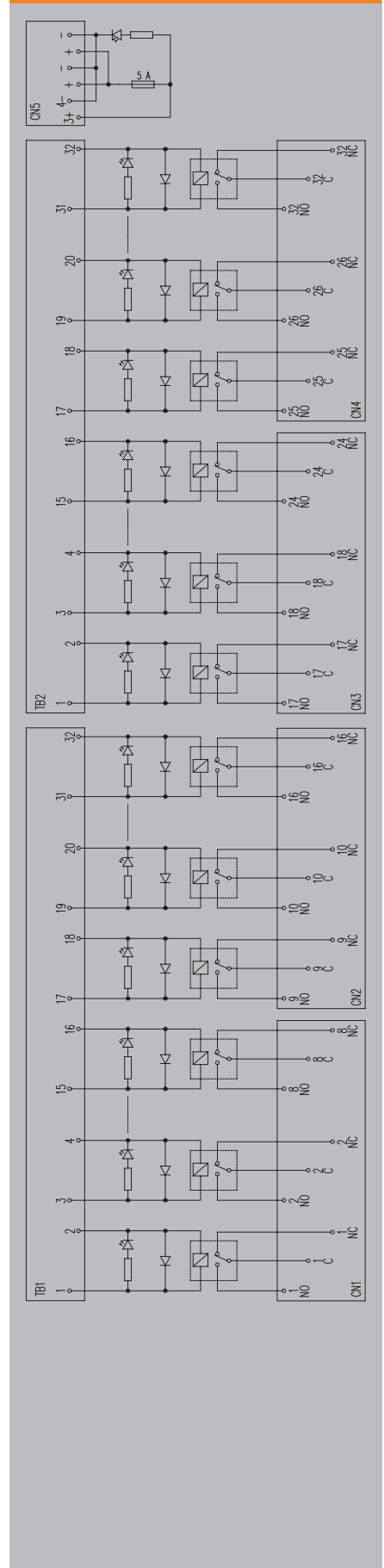
Type	Height	Order No.
FTA-C300-32DO-RSLIM-S	95 mm	1221570000
FTA-C300-32DO-RSLIM-Z	95 mm	1221580000

Note

Accessories

Note

Relay 4060120000 RSS 24 V DC 1 CO



Honeywell C300 - Interconnection cables interconnection

Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY
 Colour code according DIN 47100
 Halogen free cables on demand

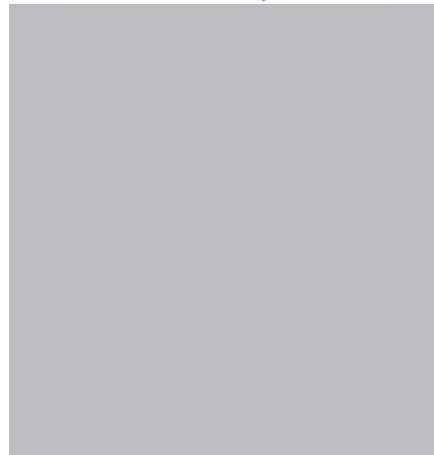
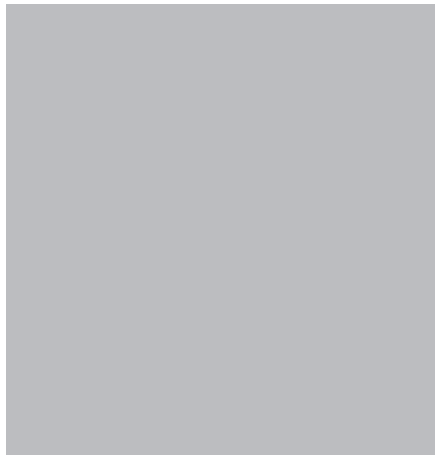
C300-32B-320B – Premium range

32 poles connector to 32 poles connector (with housing)



PAC-C300-3232 – Basic range

32 poles connector to 32 poles connector (without housing)



Technical data

Rated data	
Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Nominal rating, control cable	
Cable	Cable LiYCY
Material	PVC
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Cable	Cable LiYCY
Material	PVC
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Cable	Cable LiYCY
Material	PVC
Ambient temperature (operational)	-10...50 °C
Storage temperature	-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

Division	Type	Qty.	Order No.
0.25 mm ²	C300-32B-320B-2S-M25-1M	1	7789828010
0.34 mm ²	C300-32B-320B-2S-M34-1M	1	7789888010
0.50 mm ²	C300-32B-320B-2S-M50-1M	1	7789838010

Type	Qty.	Order No.
C300-32B-320B-2S-M25-1M	1	7789828010
C300-32B-320B-2S-M34-1M	1	7789888010
C300-32B-320B-2S-M50-1M	1	7789838010

Type	Qty.	Order No.
PAC-C300-3232-25-1M	1	7789880010
PAC-C300-3232-34-1M	1	1498820010
PAC-C300-3232-50-1M	1	7789882010

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



Honeywell C300 - Interconnection cables

Honeywell C300 - Interconnection cables interconnection

Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY
 Colour code according DIN 47100
 Halogen free cables on demand

C300-36B-324B – Premium range

32 + 4 poles connector to 32+4 poles connector (with housing)



PAC-C300-3636 – Basic range

32+4 poles connector to 32+4 poles connector (without housing)



B

Technical data

Rated data		
Capacity wire / shield	300 pF/m	300 pF/m
Capacity wire / wires	300 pF/m	300 pF/m
Nominal rating, control cable		
Cable	Cable LiYCY	Cable LiYCY
Material	PVC	PVC
General data		
Ambient temperature (operational)	-10...50 °C	-10...50 °C
Storage temperature	-10...60 °C	-10...60 °C

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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
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Ordering data

Division	Type	Qty.	Order No.
0.25 mm ²	C300-36B-324B-2S-M25-1M	1	7789829010
0.34 mm ²	C300-36B-324B-2S-M34-1M	1	7789891010
0.50 mm ²	C300-36B-324B-2S-M50-1M	1	7789892010

Type	Qty.	Order No.
PAC-C300-3636-25-1M	1	7789884010
PAC-C300-3636-34-1M	1	7789885010
PAC-C300-3636-50-1M	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.
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Accessories

Note		
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Honeywell C300 - Interconnection cables interconnection

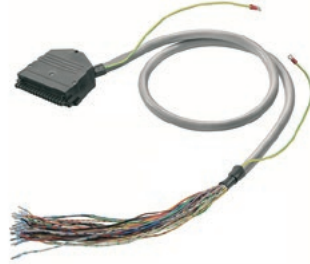
Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY
 Colour code according DIN 47100
 Halogen free cables on demand

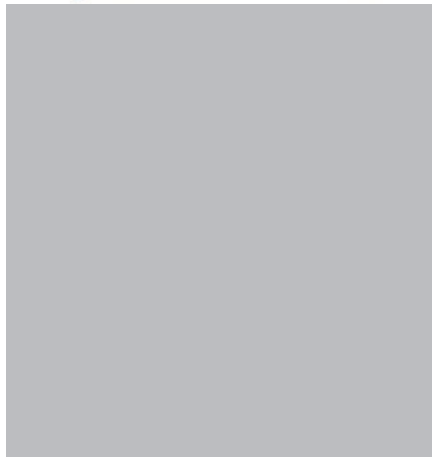
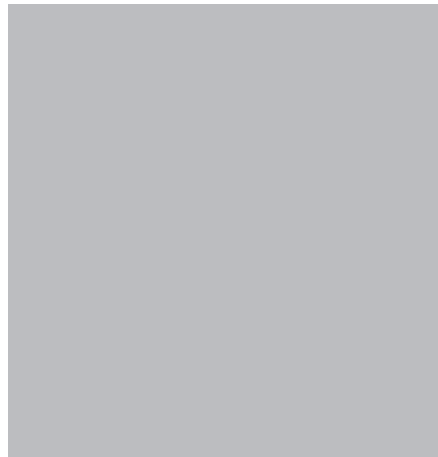
C300-32B-F - Premium range

32 poles connector to ferrules (with housing)



PAC-C300-32-F - Basic range

32 poles connector to ferrules (without housing)



Technical data

Rated data
Capacity wire / shield
Capacity wire / wires
Nominal rating, control cable
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

Division	Type	Qty.	Order No.
0.25 mm ²	C300-32B-F-2S-M25-1M	1	1349350010
0.34 mm ²	C300-32B-F-2S-M34-1M	1	7789617010
0.50 mm ²	C300-32B-F-2S-M50-1M	1	7789895010

Type	Qty.	Order No.
C300-32B-F-2S-M25-1M	1	1349350010
C300-32B-F-2S-M34-1M	1	7789617010
C300-32B-F-2S-M50-1M	1	7789895010

Type	Qty.	Order No.
PAC-C300-32-F-25-1M	1	1349330010
PAC-C300-32-F-34-1M	1	1373900010
PAC-C300-32-F-50-1M	1	1373940010

Note

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

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

Accessories

Note



Honeywell C300 - Interconnection cables

Honeywell C300 - Interconnection cables interconnection

Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY
 Colour code according DIN 47100
 Halogen free cables on demand

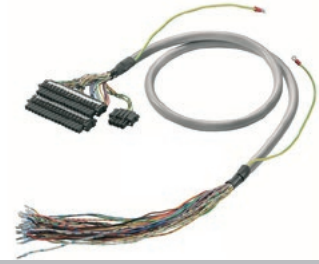
C300-36B-F - Premium range

32+4 poles connector to ferrules (with housing)



PAC-C300-36-F - Basic range

32+4 poles connector to ferrules (without housing)



B

Technical data

Rated data		
Capacity wire / shield	300 pF/m	300 pF/m
Capacity wire / wires	300 pF/m	300 pF/m
Nominal rating, control cable		
Cable	Cable LiYCY	Cable LiYCY
Material	PVC	PVC
General data		
Ambient temperature (operational)	-10...50 °C	-10...50 °C
Storage temperature	-10...60 °C	-10...60 °C

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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
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Ordering data

Division	Type	Qty.	Order No.
0.25 mm ²	C300-36B-F-2S-M25-1M	1	1349370010
0.34 mm ²	C300-36B-F-2S-M34-1M	1	1373780010
0.50 mm ²	C300-36B-F-2S-M50-1M	1	1373820010

Type	Qty.	Order No.
PAC-C300-36-F-25-1M	1	1349340010
PAC-C300-36-F-34-1M	1	1373910010
PAC-C300-36-F-50-1M	1	1373950010

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

Note		
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Honeywell C300 - Interconnection cables interconnection

Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY
 Colour code according DIN 47100
 Halogen free cables on demand

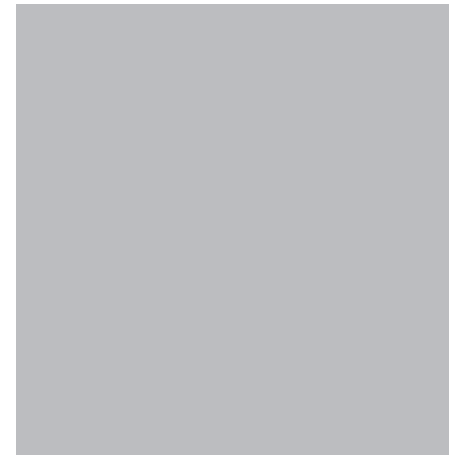
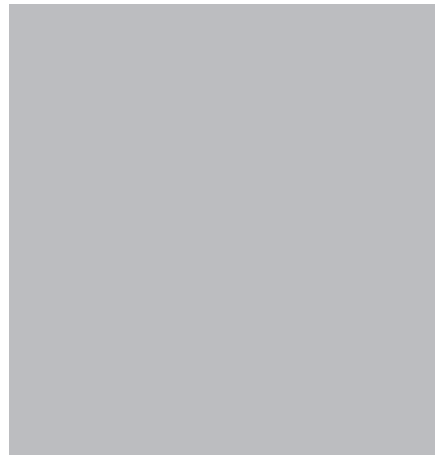
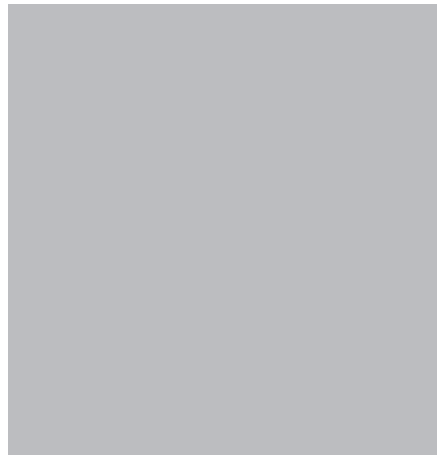
C300-16B-160B – Premium range

16 poles connector to 16 poles connector (with housing)



PAC-C300-1616 – Basic range

16 poles connector to 16 poles connector (without housing)

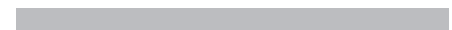
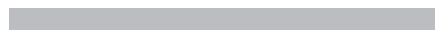


Technical data

Rated data	
Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Nominal rating, control cable	
Cable	Cable LiYCY
Material	PVC
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Cable	Cable LiYCY
Material	PVC
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Cable	Cable LiYCY
Material	PVC
Ambient temperature (operational)	-10...50 °C
Storage temperature	-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

Division	Type	Qty.	Order No.
0.25 mm ²	C300-16B-160B-2S-M25-1M	1	1481690010
0.34 mm ²	C300-16B-160B-2S-M34-1M	1	1481710010
0.50 mm ²	C300-16B-160B-2S-M50-1M	1	1481720010

Type	Qty.	Order No.
C300-16B-160B-2S-M25-1M	1	1481690010
C300-16B-160B-2S-M34-1M	1	1481710010
C300-16B-160B-2S-M50-1M	1	1481720010

Type	Qty.	Order No.
PAC-C300-1616-25-1M	1	1481610010
PAC-C300-1616-34-1M	1	1481620010
PAC-C300-1616-50-1M	1	1481630010

Note

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

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

Accessories

Note



Honeywell C300 - Interconnection cables

Honeywell C300 - Interconnection cables interconnection

Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY

Colour code according DIN 47100

Halogen free cables on demand

C300-16B-F - Premium range

16 poles connector to ferrules (with housing)



PAC-C300-16-F - Basic range

16 poles connector to ferrules (without housing)



B

Technical data

Rated data		
Capacity wire / shield	300 pF/m	300 pF/m
Capacity wire / wires	300 pF/m	300 pF/m
Nominal rating, control cable		
Cable	Cable LiYCY	Cable LiYCY
Material	PVC	PVC
General data		
Ambient temperature (operational)	-10...50 °C	-10...50 °C
Storage temperature	-10...60 °C	-10...60 °C

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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
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Ordering data

Division	Type	Qty.	Order No.
0.25 mm ²	C300-16B-F-2S-M25-1M	1	1481740010
0.34 mm ²	C300-16B-F-2S-M34-1M	1	1481750010
0.50 mm ²	C300-16B-F-2S-M50-1M	1	1481760010

Type	Qty.	Order No.
PAC-C300-16-F-25-1M	1	1481650010
PAC-C300-16-F-34-1M	1	1481660010
PAC-C300-16-F-50-1M	1	1481670010

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

Note		
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Honeywell C300 - Interconnection cables interconnection

Pre-assembled cables for connecting the C300 cards to the Weidmüller interfaces. 2 ranges:

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

Shielded Cable LI YCY
 Colour code according DIN 47100
 Halogen free cables on demand

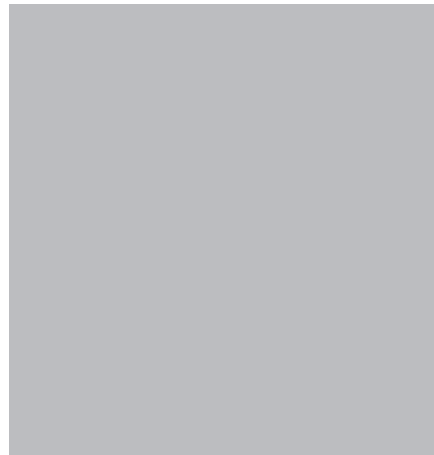
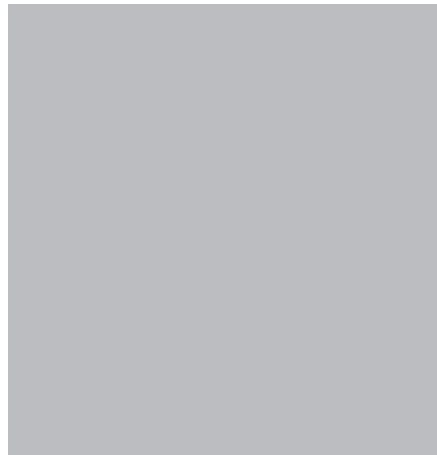
C300-32B-216B – Premium range

32 poles connector to 2X16 poles connector (with housing)



PAC-C300-32-1616 – Basic range

32 poles connector to 2X16 poles connector (without housing)

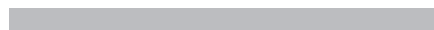


Technical data

Rated data	
Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Nominal rating, control cable	
Cable	Cable LiYCY
Material	PVC
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Cable	Cable LiYCY
Material	PVC
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Capacity wire / shield	300 pF/m
Capacity wire / wires	300 pF/m
Cable	Cable LiYCY
Material	PVC
Ambient temperature (operational)	-10...50 °C
Storage temperature	-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

Division	Type	Qty.	Order No.
0.25 mm ²	C300-32B-216B-2S-M25-1M	1	2699000010
0.34 mm ²	C300-32B-216B-2S-M34-1M	1	2699010010
0.50 mm ²	C300-32B-216B-2S-M50-1M	1	2699020010

Type	Qty.	Order No.
C300-32B-216B-2S-M25-1M	1	2699000010
C300-32B-216B-2S-M34-1M	1	2699010010
C300-32B-216B-2S-M50-1M	1	2699020010

Type	Qty.	Order No.
PAC-C300-32-1616-25-1M	1	1373880010
PAC-C300-32-1616-34-1M	1	7789893010
PAC-C300-32-1616-50-1M	1	1373920010

Note

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

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

Accessories

Note



Interface units for Yokogawa CS3000 and ProSafe

Interface units for Yokogawa CS3000 and ProSafe

Yokogawa CS3000 and ProSafe – General description	C.2
Yokogawa CS3000 – Selection guide	C.5
Yokogawa CS3000 – TBY Input/Output interfaces for CS3000	C.6
Yokogawa ProSafe – Selection guide	C.17
Yokogawa ProSafe – TBY Input/Output interfaces for ProSafe	C.18
MIL cables	C.26
Yokogawa backplane - SIL Backplane for digital outputs	C.28

Interface units for Yokogawa CS3000 and ProSafe

Secure and fast connection between Distributed Control Systems and the field

The goal is to provide a simple and clean connection between sensors/actuators and the Yokogawa controllers. This is achieved by using our interface units in the marshalling cabinets. Let's connect.

The main goals of the Yokogawa CS3000 and Prosafe interfaces are to prevent cabling errors, save space in the electronics cabinet and save time and costs in the construction of electronics cabinets.

This is where our interface units for the Yokogawa CS3000 and ProSafe controllers score: the compact interfaces minimise cabling costs and offer significant benefits such as the regulated power supply with control relay.

If required we supply the components with a coating according to corrosion class G3.

These benefits and more will enable you to establish the optimum connection between field elements and input/output cards from Yokogawa. Let's connect



You are shaping the future of the process industry

Global competition and market dynamism are driving change in the process industry. New global strategies, mergers and takeovers, investments and spin-offs are all part of the change. Plant operators and manufacturers who ensure a higher standardisation of production processes are one step ahead of the market. The best conditions for efficient plant operation are secure connectivity and a cost- and space-saving connection when transmitting and converting signals.

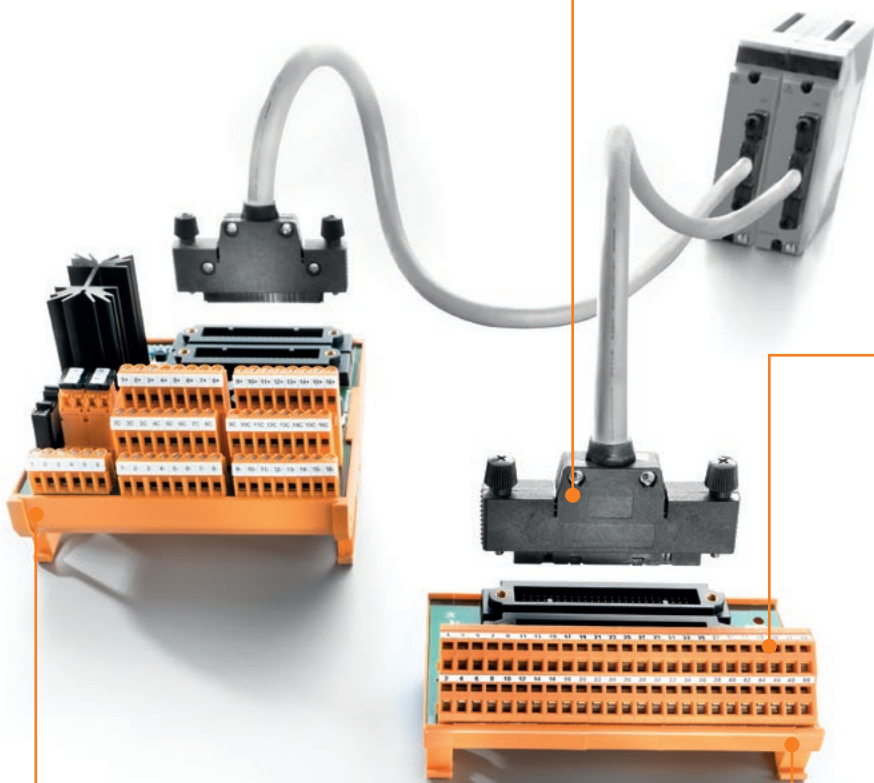
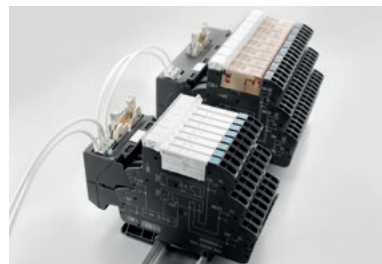
Reliable connection

The interface units are provided with a screw or tension clamp connection on the field side and with compatible connectors to KS or AKB cables on the control side.



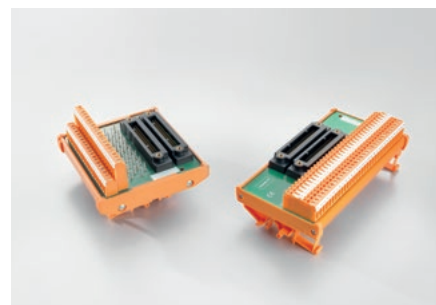
TERMSERIES interface adapter

Our pre-assembled plug-and-play solution with TERMSERIES interface adapter enables and minimised wiring effort. See Chapter E



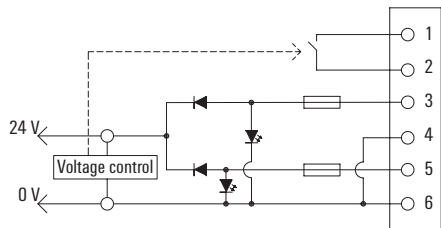
Numerous integral functions

Isolators, fuses with fault display, status LEDs: field sensors may be supplied with power within the individual modular terminal.



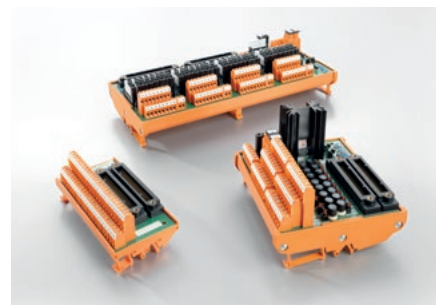
Redundancy supply control

Up to two power supplies can be connected to the interface units for Yokogawa systems. If one of the power supplies falls below approx. 12 V an alarm is activated and the power supply LED is extinguished.



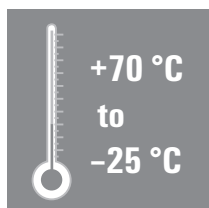
Wide range of interfaces

The range includes passive input/output interfaces for digital and analogue signals and isolated interfaces with relays incorporating a compact design.



Wide temperature range

The interface can work in ambient temperatures ranging from -25 to +70 °C.



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

STEP 1: Choose the Yokogawa Card to be used.

STEP 2: Choose the most suitable interface for the application.

Example: For AAB841 it's possible to select different options:

* In screw: 1371470000, 1371600000, 1371640000

* In tension clamp: 1371500000, 1371610000, 1371650000

This is small selection of the most frequently used termination boards. Other termination boards are also available. G3 termination boards can also be provided under demand.

Yokogawa CS3000 – Selection guide

STEP 1		STEP 2											
Yokogawa Card		TBY (Weidmüller Interfaces for Yokogawa)											
Kind of Card	Card	Kind of connector	Redundancy Power supply	Fuses per channel	Disconnect + Test points	Forks for components	Led channel	Led fuse	Relay	Type	Order No. Screw	Order No. Tension clamp	Page
8 analogue input/ 8 analogue output	AAB841	KS								TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS			↔					TBY-C3-AIO+2KS	1371600000	1371610000	C.8
		KS				Y				TBY-C3-UNIV-SP-2KS	1371640000	1371650000	C.9
8 analogue inputs	AAI135 AAP135	KS								TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS			↔					TBY-C3-AIO+2KS	1371600000	1371610000	C.8
		KS				Y				TBY-C3-UNIV-SP-2KS	1371640000	1371650000	C.9
16 analogue current input	AAI141 AAI143	KS								TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS								TBY-C3-16AI-2KS	1371530000	1371550000	C.6
		KS			↔					TBY-C3-AIO+2KS	1371600000	1371610000	C.8
4 analogue current input/ 4 analogue current output	AAI835	KS								TBY-C3-UNIV-SP-2KS	1371640000	1371650000	C.9
		KS			↔					TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS								TBY-C3-AIO+2KS	1371600000	1371610000	C.8
8 analogue input/ 8 analogue output	AAI841	KS								TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS			↔					TBY-C3-AIO+2KS-Z	1371600000	1371610000	C.8
		KS				Y				TBY-C3-UNIV-SP-2KS	1371640000	1371650000	C.9
16 analogue voltage input	AAV141 AAV142 AAV144	KS								TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS								TBY-C3-16AIO-2KS	1371580000	1371590000	C.6
		KS			↔					TBY-C3-AIO+2KS-Z	1371600000	1371610000	C.8
16 analogue output	AAV542 AAV544 AAI543	KS								TBY-C3-UNIV-SP-2KS	1371640000	1371650000	C.9
		KS								TBY-C3-AIO-2KS	1371470000	1371500000	C.6
		KS			↔					TBY-C3-16AIO-2KS	1371580000	1371590000	C.6
16 RTD analogue input 12 RTD input modules	AAR145 AAR181	AKB								TBY-C3-AIO+2KS	1371600000	1371610000	C.8
		AKB								TBY-C3-UNIV-SP-2KS	1371640000	1371650000	C.9
		AKB				Y				TBY-C3-UNIV-2KB	1384090000	1384080000	C.10
32 digital input	ADV151 ADV161 (Use 2 TBY per card)	AKB	2 A							TBY-C3-UNIV-2KB	1384090000	1384080000	C.10
		AKB	2 A	100 mA			⚡			TBY-ADV151-PS-L-2KB	1384350000	1384340000	C.11
		AKB	2 A	100 mA			⚡			TBY-ADV151-PS-F-L-2KB	1397820000	1397830000	C.12
		AKB	2 A	100 mA			⚡		24 V DC	TBY-ADV151-24-PS-2KB	1384330000	1384320000	C.13
32 digital output	ADV551 ADV561 (Use 2 TBY per card)	AKB								TBY-ADV151-48-PS-2KB	1384280000	1384250000	C.14
		AKB	1 A							TBY-C3-UNIV-2KB	1384090000	1384080000	C.10
		AKB					⚡		24 V DC	TBY-ADV551-CF-PS-2KB	1379500000	1379510000	C.15

Note:

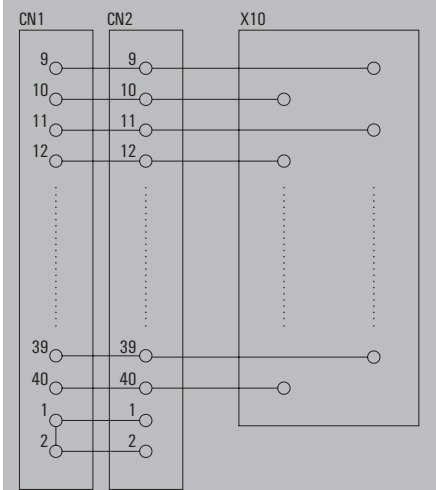
C

TBY-CS3000 Input/Output interfaces for CS3000 analogue cards

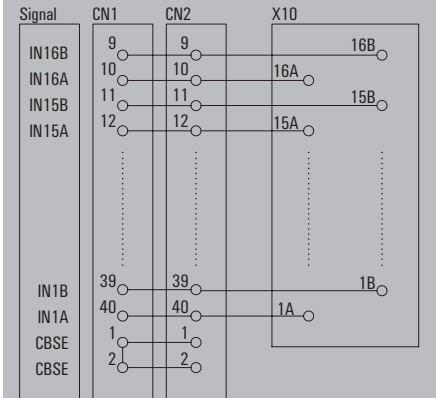
Interface for 8 or 16 analogue signals (depend on marking)

- 2 KS connectors (40 poles) for redundancy
- Direct connection between the Yokogawa card and the field connectors.
- Basic module also without marking available and markers as accessory for customer flexibility
- Complete modules with marking available
- Screw and tension clamp connection

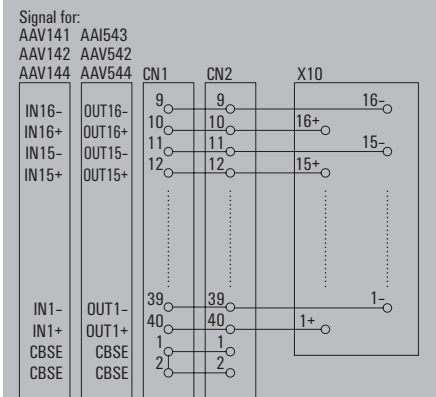
TBY-C3-



Schematic for 1371470000/1371500000



Schematic for 1371530000/1371550000 (AAI141, AAI143)



Schematic for 1371580000/1371590000 (AAV141, AAV142, AAV144, AAI543, AAV542, AAV544)

Technical data

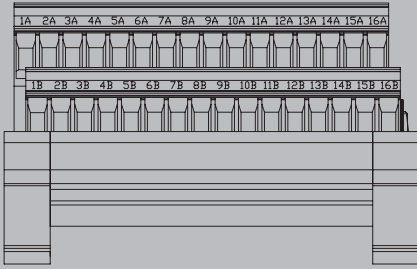
Connected to	Connection to the card	
Connection data and functionality	2 x KS (40P)	
Connection on control side	No	
LED status display per channel	No	
LED status of the supply voltage	No	
Fuse per channel	No	
Power supply fuse	No	
Disconnection per channel	No	
Type of test point	No	
Rated data	50 V AC / 70 V DC	
Operating voltage	1 A	
Max. current per channel	50 V AC / 70 V DC	
Operating voltage (supply)	1 A	
Operating current (supply)	1 A	
General data	-25...70 °C	
Ambient temperature (operational)	-40...85 °C	
Storage temperature	< 50 V AC	
Insulation coordination	III	
Rated insulation voltage	2	
Surge voltage category	0.35 kVAC	
Pollution severity level	0.8 kV	
Insulation test voltage	Screw connection	
Pulse voltage test (1,2/50µs)	Tension-clamp connection	
Dimensions	0.13 mm ² / 6 mm ²	
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²	
Clamping range, min./max. (supply)	TS 35, TS 32	
Rail	90 mm / 70 mm	
Length x width	90 mm / 70 mm	
Note	Picture shows article number 1371530000 S (screw connection), Z (tension-clamp connection)	

Ordering data

Terminal block for:	Type	Height	Order No.
Analogue signals without marking (S)	TBY-C3-AIO-2KS-S	56 mm	1371470000
Analogue signals without marking (Z)	TBY-C3-AIO-2KS-Z	52 mm	1371500000
AAI141, AAI143 (S)	TBY-C3-16AI-2KS-S	56 mm	1371530000
AAI141, AAI143 (Z)	TBY-C3-16AI-2KS-Z	52 mm	1371550000
AAI543, AAV141, AAV142, AAV144, AAV542, AAV544 (S)	TBY-C3-16AIO-2KS-S	56 mm	1371580000
AAI543, AAV141, AAV142, AAV144, AAV542, AAV544 (Z)	TBY-C3-16AIO-2KS-Z	52 mm	1371590000

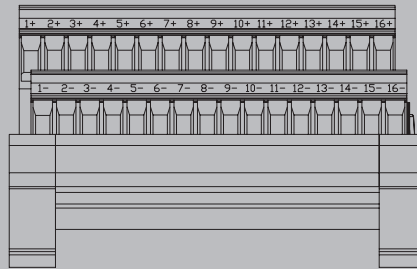
Note

Picture shows article number 1371530000
S (screw connection), Z (tension-clamp connection)

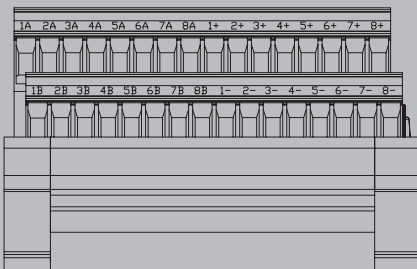


Field terminals view 1371530000 / 1371550000
(AAI141, AAI143)

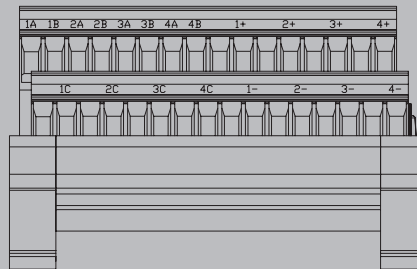
Application note: With the markers showed as accessories, is possible to configurate the TBY for other cards



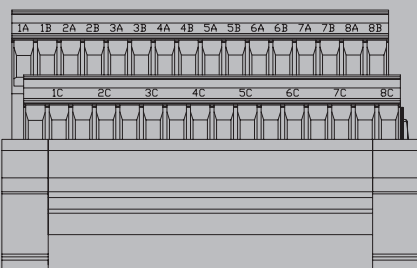
Field terminals view 1371580000 / 1371590000
(AAV141, AAV142, AAV144, AAI543, AAV542, AAV544)



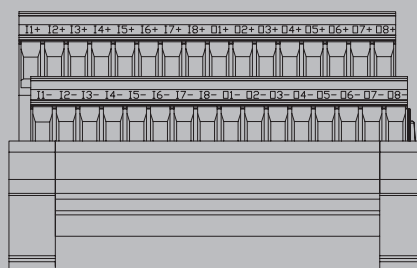
Connection for AAI841



Connection for AAI835



Connection for AAI135, AAP135

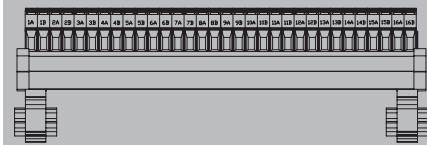
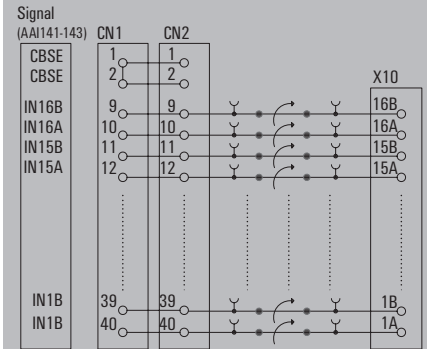
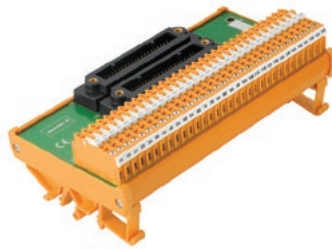


Connection for AAB841

TBY-CS3000 Input/Output interfaces for CS3000 analogue cards

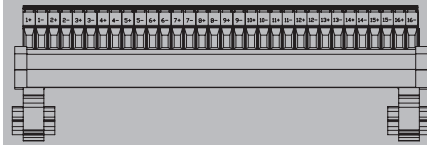
- Interface for 8 or 16 analogue signals
- 2 KS connectors (40 poles) for redundancy
- Disconnecting plugs and test points (2 mm diameter) for voltage or current measurement.
- The TBY is delivered with the marking for AAI141, AAI143 and it's compatible with other analogue cards.
- Marker available as accessory.
- Screw and tension clamp connection

TBY-C3-AIO-I-2KS

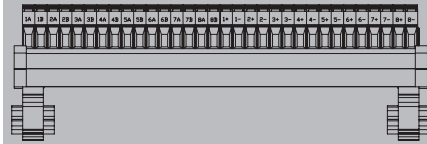


Connection for AAI141, AAI143

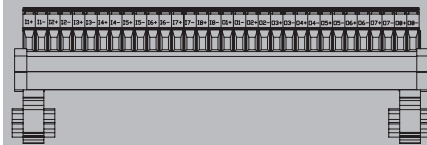
Application note: With the markers showed as accessories, is possible to configure the TBY for other cards



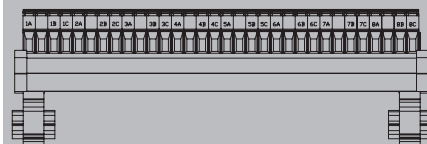
Connection for AAV141, AAV142, AAV144, AAI543, AAV542, AAV544)



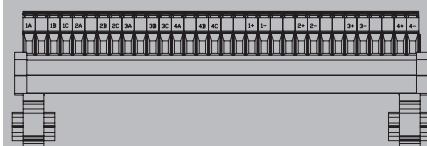
Connection for AAI841



Connection for AAB841



Connection for AAI135, AAP135



Connection for AAI835

Technical data

Connected to	Connection to the card	
Connection data and functionality	AAB841, AAI135, AAI141, AAI143, AAI841, AAI543, AAI835, AAP135, AAV141, AAV142, AAV144, AAV542, AAV544	
Connection on control side	2 x KS (40P)	
LED status display per channel	No	
LED status of the supply voltage	No	
Fuse per channel	No	
Power supply fuse	No	
Disconnection per channel	Yes	
Type of test point	Diameter: 2 mm	
Rated data		
Operating voltage	50 V AC / 70 V DC	
Max. current per channel	1 A	
Operating voltage (supply)	50 V AC / 70 V DC	
Operating current (supply)	1 A	
General data		
Ambient temperature (operational)	-25...70 °C	
Storage temperature	-40...85 °C	
Insulation coordination		
Rated insulation voltage	< 50 V AC	
Surge voltage category	III	
Pollution severity level	2	
Insulation test voltage	0.35 kVAC	
Pulse voltage test (1,2/50µs)	0.8 kV	
Dimensions	Screw connection	Tension-clamp connection
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
Clamping range, min./max. (supply)	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
Rail	TS 35, TS 32	TS 35, TS 32
Length x width	170 mm / 87 mm	170 mm / 87 mm
Note		

Ordering data

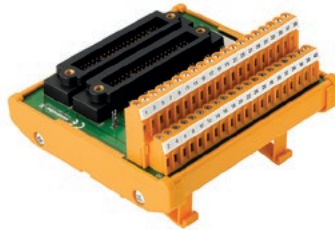
	Screw connection	Type	Height	Order No.
	Tension clamp connection	TBY-C3-AIO-I-2KS-S	56 mm	1371600000
Note		TBY-C3-AIO-I-2KS-Z	59.2 mm	1371610000

TBY-CS3000 Input/Output interfaces for CS3000 analogue cards

Interface for analogue signals

- 2 KS connectors (40 poles) for redundancy
- Direct connection between the Yokogawa card and the field connectors.
- The soldering tags allows the mounting of external components: voltage conversion or monitorization of the current loop.
- Screw and tension clamp connection

TBY-C3-UNIV-SP-2KS



Technical data

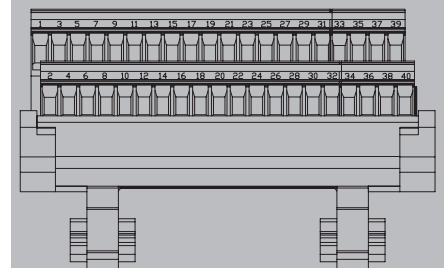
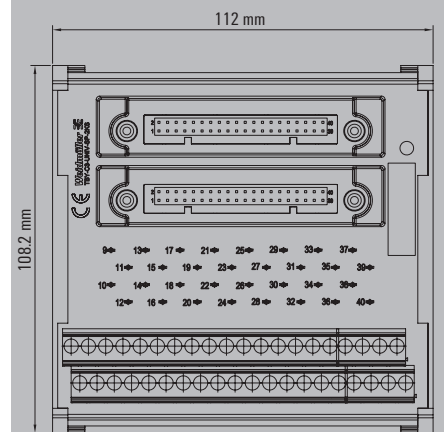
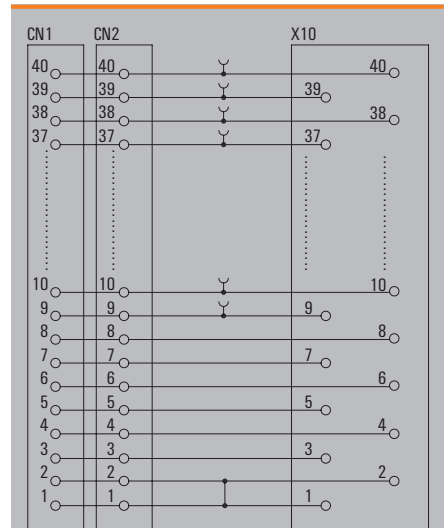
Connected to	Connection to the card
Connection data and functionality	Connection on control side LED status display per channel LED status of the supply voltage Fuse per channel Power supply fuse Disconnection per channel Type of test point
Rated data	Operating voltage Max. current per channel Operating voltage (supply) Operating current (supply)
General data	Ambient temperature (operational) Storage temperature
Insulation coordination	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) Rail Length x width
Note	

AAI141, AAI143, AAV141, AAV142, AAV144, AAI841, AAB841, AAV542, AAI543, AAV544, AAR181, AAI135, AAP135, AAI835	
2 x KS (40P)	
No	
No	
No	
No	
No	
Soldering tags	
50 V AC / 70 V DC	
1 A	
50 V AC / 70 V DC	
1 A	
-25...70 °C	
-40...85 °C	
< 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, TS 32	TS 35, TS 32
112 mm / 109 mm	112 mm / 109 mm

Ordering data

	Screw connection
	Tension clamp connection
Note	

Type	Height	Order No.
TBY-C3-UNIV-SP-2KS-S	70 mm	1371640000
TBY-C3-UNIV-SP-2KS-Z	65 mm	1371650000

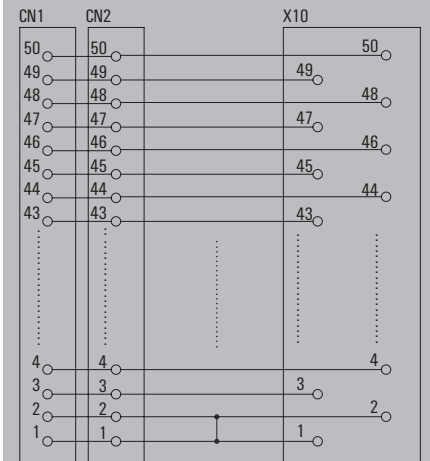


TBY-CS3000 Input/Output interfaces for CS3000 digital cards

Interface for Centum CS3000 digital Cards

- AKB connectors (50 poles) for redundancy
- Direct connection between the Yokogawa card and the field connectors.
- Screw and tension clamp connection

TBY-C3-UNIV-2KB



Technical data

Connected to	
Connection to the card	
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	
Disconnection per channel	
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	
Insulation coordination	
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)	
Rail	
Length x width	
Note	

ADV151, ADV161, ADV551, ADV561, AAR145	
2 x AKB (50P)	
No	
No	
No	
No	
No	
No	
50 V AC / 70 V DC	
1 A	
50 V AC / 70 V DC	
1 A	
-25...70 °C	
-40...85 °C	
< 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, TS 32	TS 35, TS 32
135 mm / 70 mm	135 mm / 70 mm

Ordering data

	Screw connection
	Tension clamp connection
Note	

Type	Height	Order No.
TBY-C3-UNIV-2KB-S	56 mm	1384090000
TBY-C3-UNIV-2KB-Z	52 mm	1384080000

TBY-CS3000 Input/Output interfaces for CS3000 digital cards

- Interface for Centum ADV151 32 digital input card
- 2 AKB connectors (50 poles) for redundancy
 - Green LED shows channel Status
 - The Card can be configured with positive or negative common (see schematic)
 - Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA): close contact and led shinning means no supply fault.
 - Screw and tension clamp connection

TBY-ADV151-PS-L-2KB



Technical data

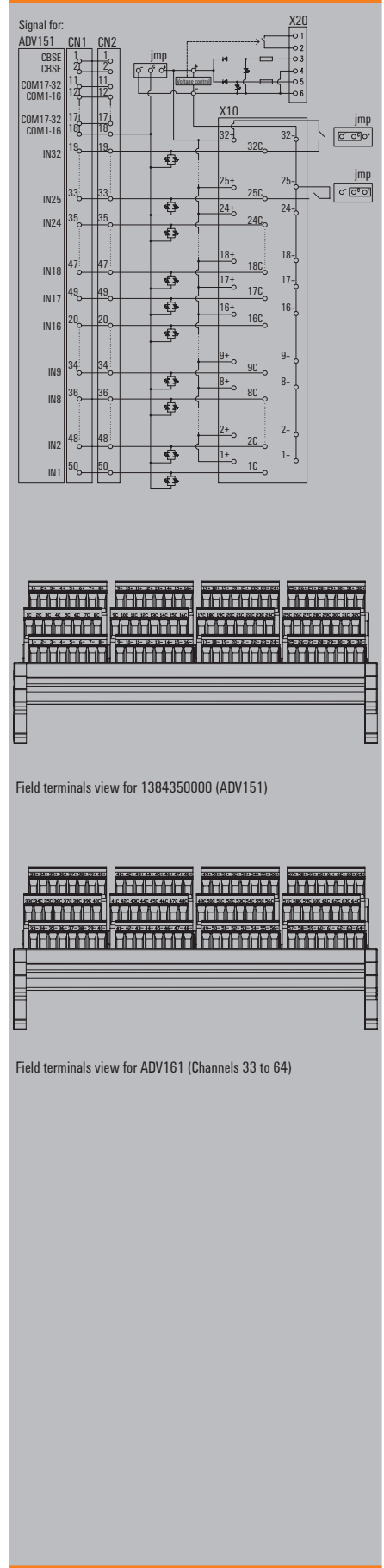
Connected to	Connection to the card
Connection data and functionality	Connection on control side
	LED status display per channel
	LED status of the supply voltage
	Fuse per channel
	Power supply fuse
	Disconnection per channel
	Type of test point
Rated data	Operating voltage
	Max. current per channel
	Operating voltage (supply)
	Operating current (supply)
General data	Ambient temperature (operational)
	Storage temperature
Insulation coordination	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)
	Rail
	Length x width
Note	

Connected to	ADV151, ADV161 (2 TBY by Card)
Connection data and functionality	2 x AKB (50P)
	green
	green
	No
	2 A
	No
	No
Rated data	Operating voltage
	24 V DC
	Max. current per channel
	1 A
	Operating voltage (supply)
	24 V DC
	Operating current (supply)
	2 A
General data	Ambient temperature (operational)
	-25...70 °C
	Storage temperature
	-40...85 °C
Insulation coordination	Rated insulation voltage
	< 50 V AC
	Surge voltage category
	III
	Pollution severity level
	2
	Insulation test voltage
	0.35 kVAC
	Pulse voltage test (1,2/50µs)
	0.8 kV
Dimensions	Clamping range, min./max. (field)
	0.13 mm ² / 6 mm ²
	Clamping range, min./max. (supply)
	0.13 mm ² / 6 mm ²
	Rail
	TS 35, TS 32
	Length x width
	190 mm / 109 mm
Note	

Ordering data

	Screw connection
	Tension clamp connection
Note	

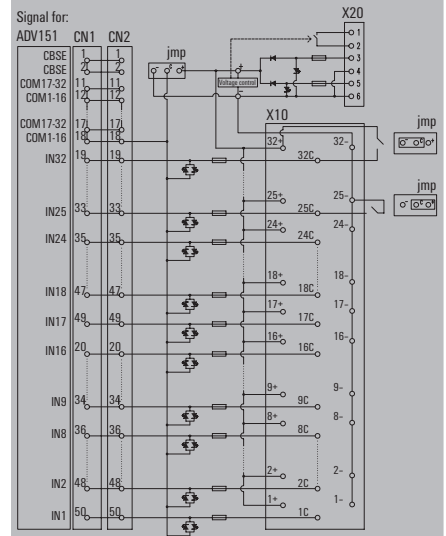
Type	Height	Order No.
TBY-ADV151-PS-L-2KB-S	85 mm	1384350000
TBY-ADV151-PS-L-2KB-Z	85 mm	1384340000



TBY-CS3000 Input/Output interfaces for CS3000 digital cards

- Interface for Centum ADV151 32 digital input card
- 2 AKB connectors (50 poles) for redundancy
- The input sensors are connected to the card with fuses.
- Green LED shows channel status
- The Card can be configured with positive or negative common (see schematic)
- Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA); close contact and led shinning means no supply fault.
- Screw and tension clamp connection

TBY-ADV151-PS-F-L-2KB



Field terminals view for 1397820000 (ADV151)



Field terminals view for ADV161 (Channels 33 to 64)

Technical data

Connected to	Connection to the card
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 Disconnection per channel 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
Insulation coordination	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) Rail Length x width
Note	

ADV551, ADV561 (2 TBY by Card)	
2 x AKB (50P)	
green	
green	
100 mA	
2 A	
No	
No	
24 V DC	
1 A	
24 V DC	
2 A	
-25...70 °C	
-40...85 °C	
< 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, TS 32	TS 35, TS 32
190 mm / 131 mm	190 mm / 131 mm

Ordering data

	Screw connection
	Tension clamp connection
Note	

Type	Height	Order No.
TBY-ADV151-PS-F-L-2KB-S	95 mm	1397820000
TBY-ADV151-PS-F-L-2KB-Z	95 mm	1397830000

TBY-CS3000 Input/Output interfaces for CS3000 digital cards

- Interface for Centum ADV151 32 digital input card
- 2 AKB connectors (50 poles) for redundancy
- 100 mA fuse per channel
- Green LED shows relays switching status (control side).
- Red LED shows fuse blow
- The input sensors can be connected in 2 ways:
 - Powered by field terminals
 - Powered by the TBY with auxiliary voltage
- Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA): close contact and led shinning means no supply fault.
- Screw and tension clamp connection

Technical data

Connected to	Connection to the card
Connection data and functionality	Connection on control side
	Relay type
	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 of the I/O card
	Minimum contact current
	Minimum contact voltage
	Mechanical service life
General data	Ambient temperature (operational)
	Storage temperature
Insulation coordination	Rated input insulation voltage
	Rated output insulation voltage
	Overvoltage category input/output
	Overvoltage category input/input
	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)
	Rail
	Length x width
Note	

Ordering data

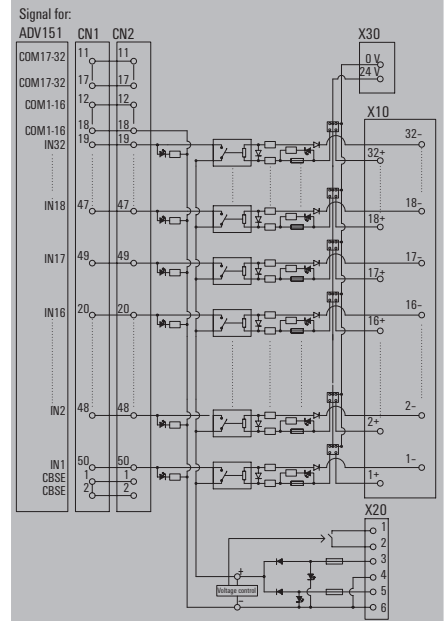
	Screw connection
	Tension clamp connection
Note	

TBY-ADV151-24-PS-2KB

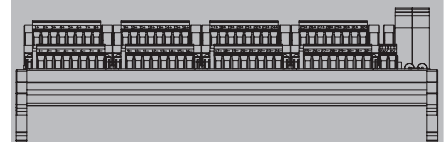
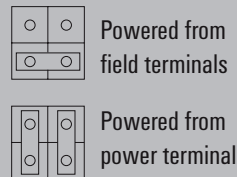


Connected to	ADV151, ADV161 (2 TBY by Card)
Connection data and functionality	2 x AKB (50P)
	RSS
	1 A
Nominal input data	Input voltage
	Input current
	Operating voltage (supply)
	Operating current (supply)
Nominal output data	Contact material
	Operating voltage
	Max. DC continuous current of the I/O card
	Minimum contact current
	Minimum contact voltage
	Mechanical service life
General data	Ambient temperature (operational)
	Storage temperature
Insulation coordination	Rated input insulation voltage
	Rated output insulation voltage
	Overvoltage category input/output
	Overvoltage category input/input
	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)
	Rail
	Length x width
Note	

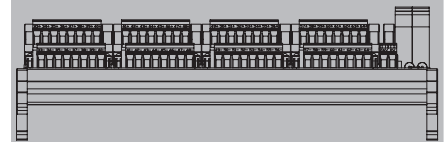
Type	Height	Order No.
TBY-ADV151-24-PS-2KB-S	95 mm	1384330000
TBY-ADV151-24-PS-2KB-Z	95 mm	1384320000



Jumpers configuration



Field terminals view 1384330000 (ADV 151)



Field terminals view for ADV161 (Channels 33 to 64)

Yokogawa CS3000 – TBY Input/Output interfaces for CS3000

TBY-CS3000 Input/Output interfaces for CS3000 digital cards

Interface for Centum ADV151 32 digital input card

- 2 AKB connectors (50 poles) for redundancy
- 100 mA fuse per channel
- Green LED shows relays switching status (control side).
- Red LED shows fuse blow
- The input sensors can be connected in 2 ways:
 - Powered by field terminals
 - Powered by the TBY with auxiliary voltage
- Dual power supply can be connected to the TBY to supply sensors and Yokogawa Card.
- Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA): close contact and led shining means no supply fault.
- Screw and tension clamp connection

Technical data

Connected to	Connection to the card
Connection data and functionality	Connection on control side
	Relay type
	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 of the I/O card
	Minimum contact current
	Minimum contact voltage
	Mechanical service life
General data	
	Ambient temperature (operational)
	Storage temperature
Insulation coordination	
	Rated input insulation voltage
	Rated output insulation voltage
	Overvoltage category input/output
	Overvoltage category input/input
	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)
	Rail
	Length x width
Note	

Ordering data

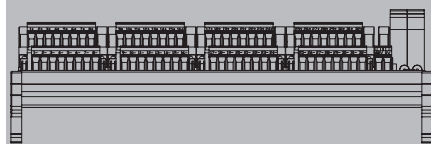
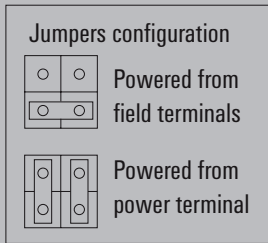
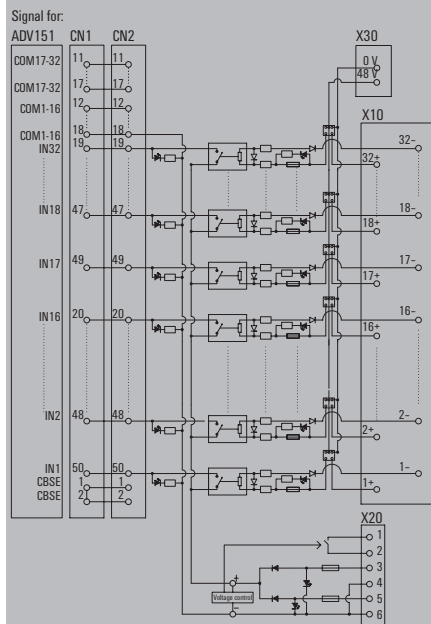
	Screw connection
	Tension clamp connection
Note	

TBY-ADV151-48-PS-2KB

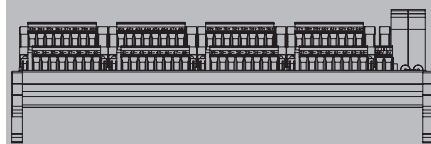


Connected to	ADV151, ADV161 (2 TBY by Card)
	2 x AKB (50P)
	RSS
	1 A
	48 V DC ± 10%
	7 mA (fuse on) / 0.5 mA (fuse off)
	24 V DC
	1 A
	AgNi gold-plated
	18 ... 26,4 V DC
	10 mA
	1 mA
	1 V
	5 x 10 ⁶ switching cycles
	-25...70 °C
	-40...85 °C
	≤ 50 V DC
	≤ 50 V DC
	III
	III
	III
	2
	1.5 kV
	0.35 kVAC
	≥ 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
317 mm / 131 mm	317 mm / 131 mm

Type	Height	Order No.
TBY-ADV151-48-PS-2KB-S	95 mm	1384280000
TBY-ADV151-48-PS-2KB-Z	95 mm	1384250000



Field terminals view 1324280000 (ADV 151)



Field terminals view for ADV161 (Channels 33 to 64)

TBY-CS3000 Input/Output interfaces for CS3000 digital cards

Interface for Centum ADV551 32 digital output Card

- 2 AKB connectors (50 poles) for redundancy
- Green LED shows relays switching status (control side).
- The output sensors can be connected in 2 ways:
 - Powered by field terminals
 - Powered by the TBY with auxiliary voltage (groups of 8 channels)
- Monitorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA): close contact and led shinning means no supply fault.
- Screw and tension clamp connection

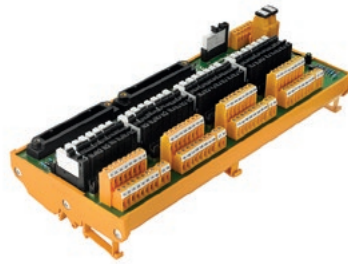
Technical data

Connected to	Connection to the card	
Connection data and functionality	Connection on control side	
	Relay type	
	Fuse per channel	
	Power supply fuse	
Nominal input data		
	Input voltage	24 V DC ± 10%
	Input current	13 mA
	Operating voltage (supply)	24 V DC
	Operating current (supply)	1 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...70 °C
	Storage temperature	-40...85 °C
Insulation coordination		
	Rated input insulation voltage	≤ 50 V DC
	Rated output insulation voltage	250 V AC
	Overvoltage category input/output	III
	Overvoltage category input/input	II
	Overvoltage category output/output	II
	Pollution severity level	2
	Pulse voltage test (1,2/50µs)	6 kV
	Insulation test voltage	1.2 kVAC
	Clearance input/output	≥ 5.5 mm
Dimensions	Screw connection	Tension-clamp connection
	Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
	Clamping range, min./max. (supply)	0.13 mm ² / 6 mm ²
	Rail	TS 35, TS 32
	Length x width	303 mm / 131 mm
Note		

Ordering data

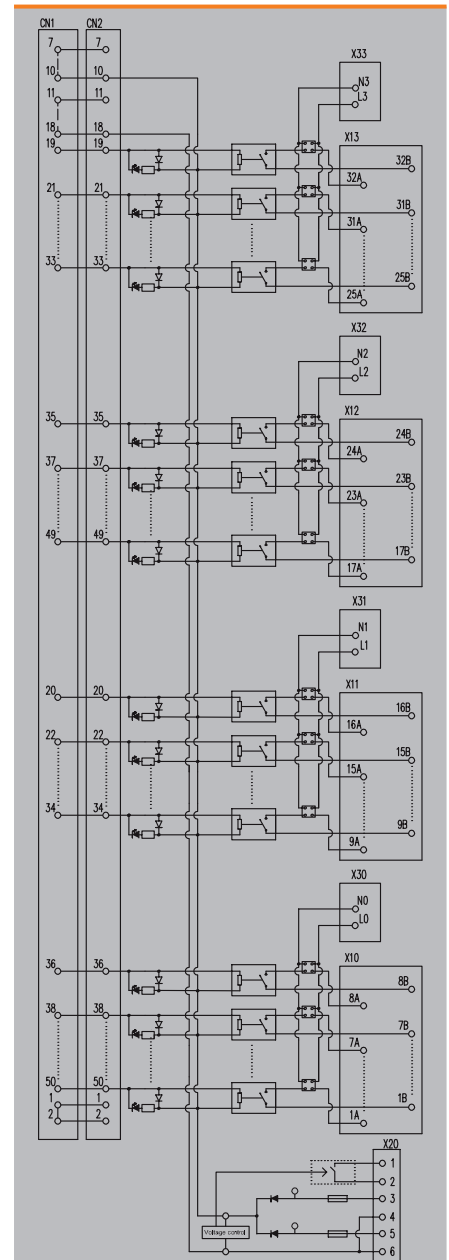
	Screw connection
	Tension clamp connection
Note	

TBY-ADV551-CF-PS-2KB

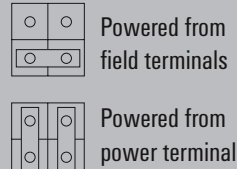


ADV551, ADV561 (2 TBY by Card)	
2 x AKB (50P)	
RSS	
No	
1 A	
24 V DC ± 10%	
13 mA	
24 V DC	
1 A	
AgNi 90/10	
250 V AC	
2.5 A	
0.1 A	
5 V	
5 x 10 ⁶ switching cycles	
-25...70 °C	
-40...85 °C	
≤ 50 V DC	
250 V AC	
III	
II	
II	
2	
6 kV	
1.2 kVAC	
≥ 5.5 mm	
Screw connection	Tension-clamp connection
0.13 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
303 mm / 131 mm	303 mm / 131 mm

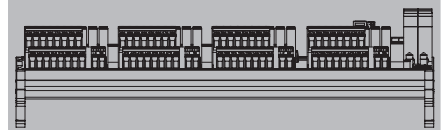
Type	Height	Order No.
TBY-ADV551-CF-PS-2KB-S	80 mm	1379500000
TBY-ADV551-CF-PS-2KB-Z	80 mm	1379510000



Jumpers configuration



Field terminals view 1379500000 (ADV 551)



Field terminals view for ADV561 (Channels 33 to 64)

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

STEP 1: Choose the Yokogawa Card to be used.

STEP 2: Choose the most suitable interface for the application.

Example: For SAI143 it's possible to select different options:

* In screw: 1371130000,1371150000,1371220000,1371340000,1371240000

* In tension clamp: 1371140000,1371170000,1371230000,1371250000

This is small selection of the most frequently used termination boards. Other termination boards are also available.

G3 termination boards can also be provided under demand.

Yokogawa Pro Safe – Selection guide

STEP 1		STEP 2											
Yokogawa Card		TBY (Weidmüller Interfaces for Yokogawa)											
Kind of Card	Card	Kind of connector	Redundancy Power supply	Fuses per channel	Disconnect + Test points	Forks for components	Led channel	Led fuse	Relay	Type	Order No. Screw	Order No. Tension clamp	Page
16 analogue current input	SAI143	KS								TBY-RS-AIO-2KS	1371130000	1371140000	C.18
		KS								TBY-SAI143-2KS	1371150000	1371170000	C.18
		KS			↔					TBY-RS-AIO4-2KS	1371220000	1371230000	C.20
		KS				Y				TBY-RS-UNIV-SP-2KS	1371340000	1371370000	C.21
		KS	6,3 A	1 A					Yes	TBY-SAI143-F-L-PS-2KS	1371240000	1371250000	C.22
8 analogue current output	SAI533	KS								TBY-RS-AIO-2KS	1371130000	1371140000	C.18
		KS								TBY-SAI533-2KS	1371200000	1371210000	C.18
		KS			↔					TBY-RS-AIO4-2KS	1371220000	1371230000	C.20
		KS				Y				TBY-RS-UNIV-SP-2KS	1371340000	1371370000	C.21
16 analogue voltage input	SAV144	KS								TBY-RS-AIO-2KS	1371130000	1371140000	C.18
		KS								TBY-SAV144-2KS	1371180000	1371190000	C.18
		KS			↔					TBY-RS-AIO4-2KS	1371220000	1371230000	C.20
		KS				Y				TBY-RS-UNIV-SP-2KS	1371340000	1371370000	C.21
16 digital input	SDV144	AKB	2 A							TBY-SDV144-PS-2KB	1371390000	1371410000	C.24
		AKB	2 A	100 mA						TBY-SDV144-F-PS-2KB	1395370000	1395380000	C.25
		AKB								TBY-RS-DIO-2KB	1371540000	1371570000	C.23
4 digital output	SDV521	AKB							TBY-RS-DIO-2KB	1371540000	1371570000	C.23	
8 digital output	SDV531	AKB							TBY-RS-DIO-2KB	1371540000	1371570000	C.23	
16 digital output	SDV541	AKB							TBY-RS-DIO-2KB	1371540000	1371570000	C.23	

Note:

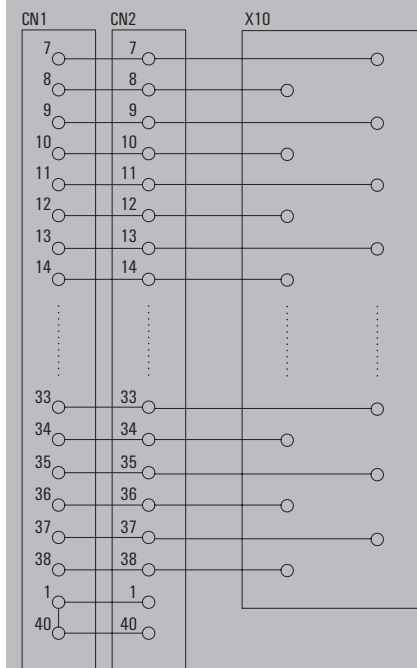
C

TBY-RS Input/Output interfaces for ProSafe analogue cards

Interface for 8 or 16 analogue signals (depend on marking)

- 2 KS connectors (40 poles) for redundancy
- Direct connection between the Yokogawa card and the field connectors.
- Basic module also without marking available and markers as accessory for customer flexibility
- Complete modules with marking available
- Screw and tension clamp connection

TBY-



Schematic 1371130000/1371140000

Technical data

Connected to	Connection to the card
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 Disconnection per channel 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
Insulation coordination	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) Rail Length x width
Note	

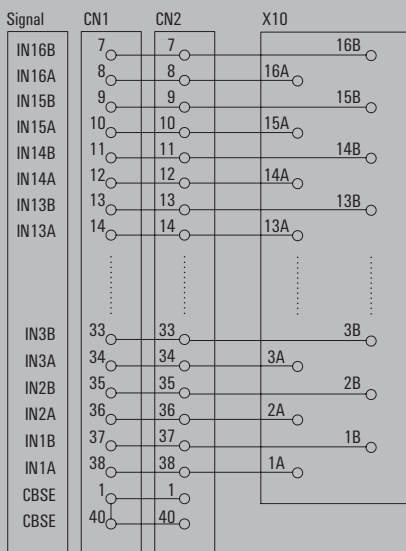
SAI143, SAV144, SAI553	
2 x KS (40P)	
No	
No	
No	
No	
No	
50 V AC / 70 V DC	
1 A	
50 V AC / 70 V DC	
1 A	
-25...70 °C	
-40...85 °C	
< 50 V AC	
III	
2	
0.35 kVAC	
0.8 kV	
Screw connection	Tension-clamp connection
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
TS 35, TS 32	TS 35, TS 32
90 mm / 70 mm	90 mm / 70 mm

Ordering data

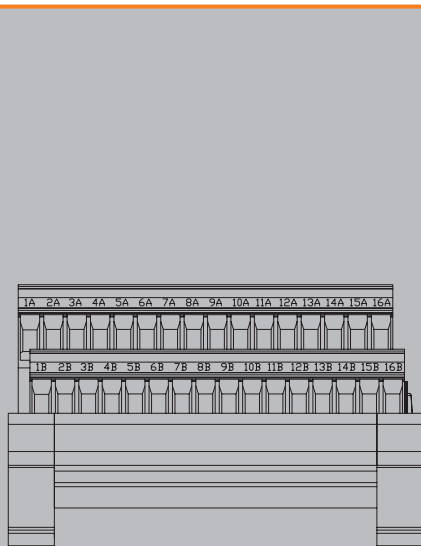
Terminal block for:	SAI143, SAV144, SAI533 without marking (S)
	SAI143, SAV144, SAI533 without marking (Z)
	SAI143 (S)
	SAI143 (Z)
	SAV144 (S)
	SAV144 (Z)
	SAI553 (S)
	SAI553 (Z)
Note	

Type	Height	Order No.
TBY-RS-AIQ-2KS-S	56 mm	1371130000
TBY-RS-AIQ-2KS-Z	52 mm	1371140000
TBY-SAI143-2KS-S	56 mm	1371150000
TBY-SAI143-2KS-Z	52 mm	1371170000
TBY-SAV144-2KS-S	56 mm	1371180000
TBY-SAV144-2KS-Z	52 mm	1371190000
TBY-SAI533-2KS-S	56 mm	1371200000
TBY-SAI533-2KS-Z	52 mm	1371210000

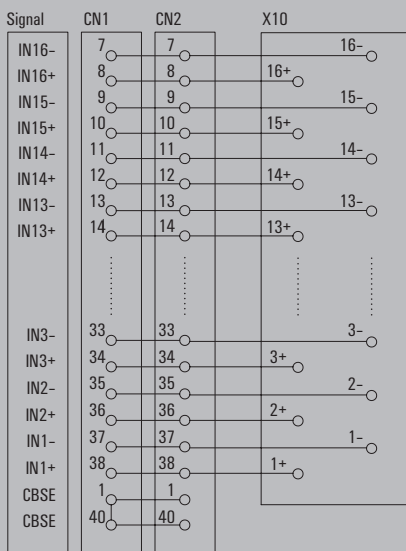
S (screw connection), Z (tension-clamp connection)



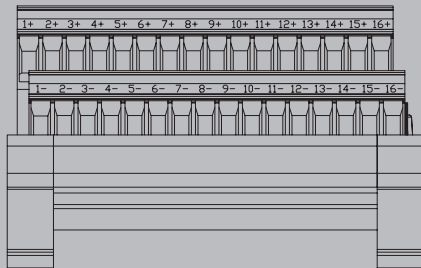
Schematic 1371150000/1371170000 (SAI143)



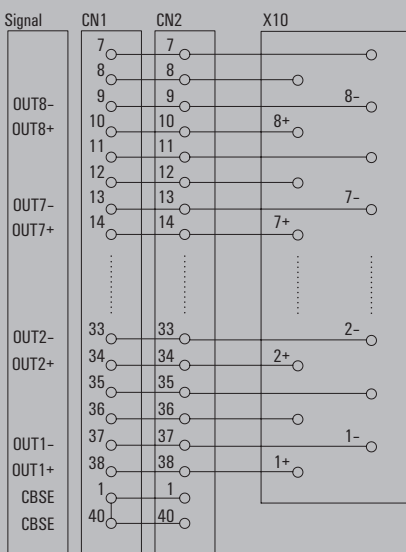
Field terminal view 1371150000



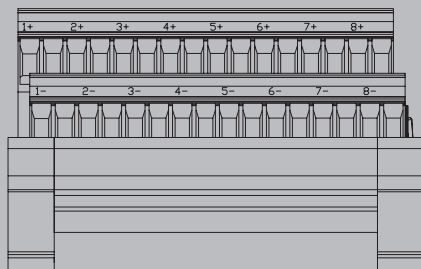
Schematic 1371180000/1371190000 (SAV144)



Field terminal view 1371180000



Schematic 1371200000/1371210000 (SAI533)



Field terminal view 1371200000

Yokogawa ProSafe - TBY Input/Output interfaces for ProSafe

TBY-RS Input/Output interfaces for ProSafe analogue cards

Interface for 8 or 16 analogue signals

- 2 KS connectors (40 poles) for redundancy
- Disconnecting plugs and test points (2 mm diameter) for voltage or current measurement.
- The TBY is delivered with the marking for SAI143 and it's compatible with cards SAV144 and SAI533. Marker available as accessory.
- Screw and tension clamp connection

TBY-RS-AIO-I-2KS



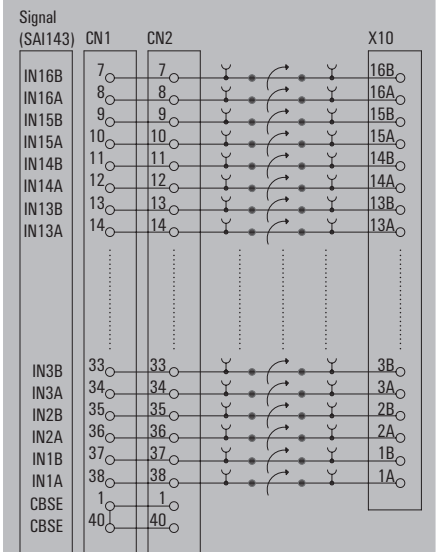
Technical data

Connected to	SAI143, SAV144, SAI533	
Connection to the card	SAI143, SAV144, SAI533	
Connection data and functionality	2 x KS (40P)	
Connection on control side	No	
LED status display per channel	No	
LED status of the supply voltage	No	
Fuse per channel	No	
Power supply fuse	No	
Disconnection per channel	Yes	
Type of test point	Diameter: 2 mm	
Rated data	50 V AC / 70 V DC	
Operating voltage	1 A	
Max. current per channel	50 V AC / 70 V DC	
Operating voltage (supply)	1 A	
Operating current (supply)		
General data		
Ambient temperature (operational)	-25...70 °C	
Storage temperature	-40...85 °C	
Insulation coordination		
Rated insulation voltage	< 50 V AC	
Surge voltage category	III	
Pollution severity level	2	
Insulation test voltage	0.35 kVAC	
Pulse voltage test (1,2/50µs)	0.8 kV	
Dimensions	Screw connection	Tension-clamp connection
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
Clamping range, min./max. (supply)	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
Rail	TS 35, TS 32	TS 35, TS 32
Length x width	170 mm / 87 mm	170 mm / 87 mm
Note		

Ordering data

Type	Height	Order No.
TBY-RS-AIO-I-2KS-S	56 mm	1371220000
TBY-RS-AIO-I-2KS-Z	59.2 mm	1371230000

Note: Screw connection / Tension clamp connection

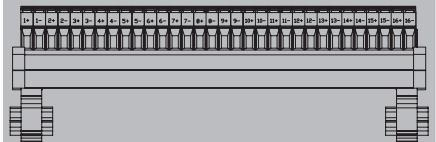


Connection for SAI143

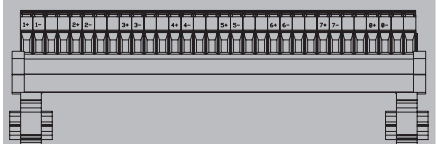


Field terminals view 1371220000

Application note: With the markers showed as accessories, is possible to configure the TBY for other cards



Field terminals view for SAV144



Field terminals view for SAI533

TBY-RS Input/Output interfaces for ProSafe analogue cards

Interface for analogue signals

- 2 KS connectors (40 poles) for redundancy
- Direct connection between the Yokogawa card and the field connectors.
- The soldering tags allows the mounting of external components: voltage conversion or monitorization of the current loop.
- Screw and tension clamp connection

TBY-RS-UNIV-SP-2KS



Technical data

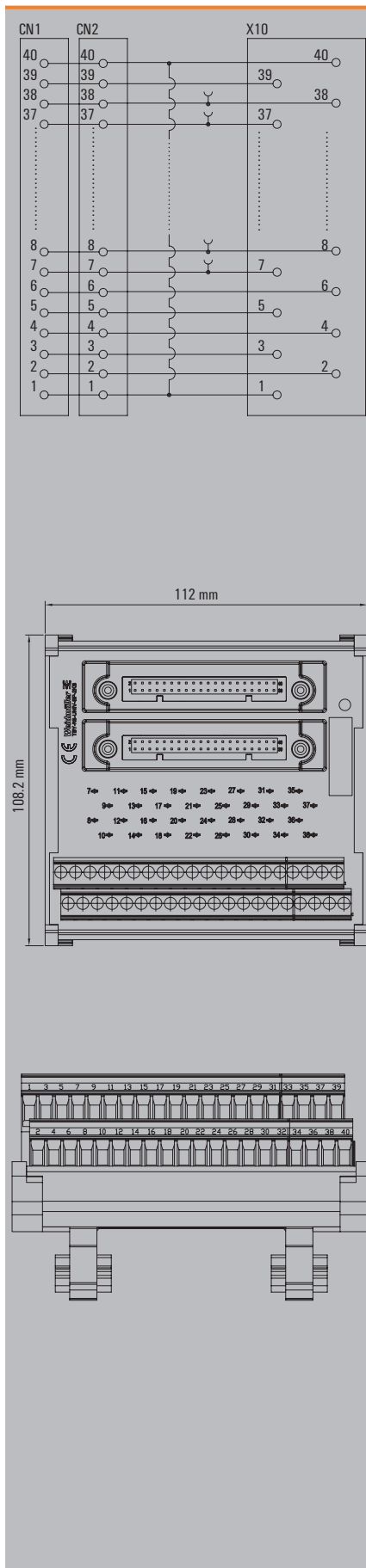
Connected to	Connection to the card
Connection data and functionality	Connection on control side LED status display per channel LED status of the supply voltage Fuse per channel Power supply fuse Disconnection per channel Type of test point
Rated data	Operating voltage Max. current per channel Operating voltage (supply) Operating current (supply)
General data	Ambient temperature (operational) Storage temperature
Insulation coordination	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) Rail Length x width
Note	

SAI143, SAV144, SAI553	
2 x KS (40P)	
No	
No	
No	
No	
No	
Soldering tags	
50 V AC / 70 V DC	
1 A	
50 V AC / 70 V DC	
1 A	
-25...70 °C	
-40...85 °C	
< 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, TS 32	TS 35, TS 32
112 mm / 109 mm	112 mm / 109 mm

Ordering data

	Screw connection
	Tension clamp connection
Note	

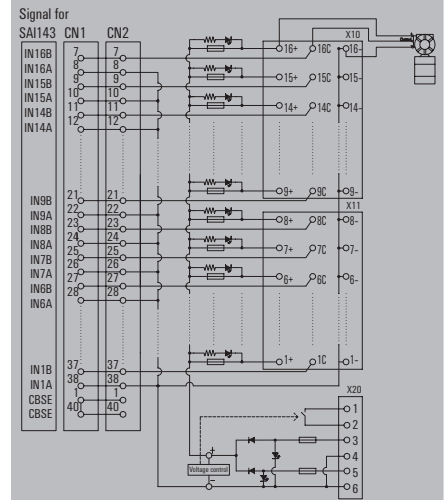
Type	Height	Order No.
TBY-RS-UNIV-SP-2KS-S	70 mm	1371340000
TBY-RS-UNIV-SP-2KS-Z	65 mm	1371370000



TBY-RS Input/Output interfaces for ProSafe analogue cards

- Interface for Pro-safe SA143 analogue input Card
- 2 KS connectors (40 poles) for redundancy
 - The input sensors are connected to the card with fuses.
 - Red LED show fuses status
 - Dual power supply can be connected to the TBY to supply sensors and Yokogawa Card.
 - Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA); close contact and led shinning means no supply fault.
 - Screw and tension clamp connection

TBY-SAI143-F-L-PS-2KS



Technical data

Connected to	SAI143	
Connection to the card		
Connection data and functionality	2 x KS (40P)	
Connection on control side	red	
LED status display per channel	green	
LED status of the supply voltage	1 A	
Fuse per channel	6.3 A	
Power supply fuse	No	
Disconnection per channel	No	
Type of test point		
Rated data	24 V DC	
Operating voltage	1 A	
Max. current per channel	24 V DC	
Operating voltage (supply)	6.3 A	
Operating current (supply)		
General data	-25...70 °C	
Ambient temperature (operational)	-40...85 °C	
Storage temperature		
Insulation coordination	< 50 V AC	
Rated insulation voltage	III	
Surge voltage category	2	
Pollution severity level	0.35 kVAC	
Insulation test voltage	0.8 kV	
Pulse voltage test (1,2/50µs)		
Dimensions	Screw connection	Tension-clamp connection
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
Clamping range, min./max. (supply)	0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
Rail	TS 35, TS 32	TS 35, TS 32
Length x width	133 mm / 131 mm	133 mm / 131 mm
Note		

Ordering data

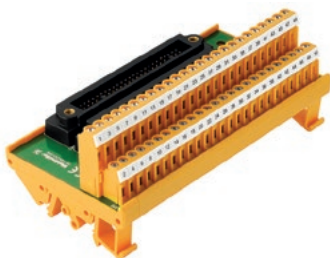
	Screw connection	Type	Height	Order No.
	Tension clamp connection	TBY-SAI143-F-L-PS-2KS-S	107 mm	1371240000
Note		TBY-SAI143-F-L-PS-2KS-Z	107 mm	1371250000

TBY-RS Input/Output interfaces for ProSafe digital cards

Interface for Pro-safe digital Cards

- AKB connectors (50 poles) for redundancy
- Direct connection between the Yokogawa card and the field connectors.
- Screw and tension clamp connection

TBY-RS-DIO-2KB



Technical data

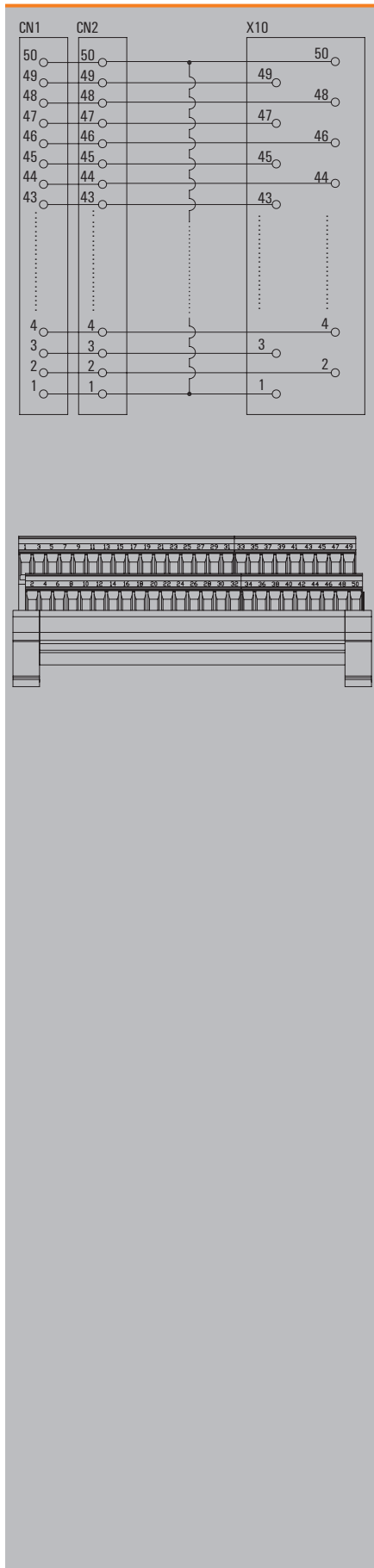
Connected to	Connection to the card
Connection data and functionality	Connection on control side LED status display per channel LED status of the supply voltage Fuse per channel Power supply fuse Disconnection per channel Type of test point
Rated data	Operating voltage Max. current per channel Operating voltage (supply) Operating current (supply)
General data	Ambient temperature (operational) Storage temperature
Insulation coordination	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) Rail Length x width
Note	

SDV144, SDV521, SDV531, SDV541	
2 x AKB (50P)	
No	
No	
No	
No	
No	
No	
50 V AC / 70 V DC	
1 A	
50 V AC / 70 V DC	
1 A	
-25...70 °C	
-40...85 °C	
< 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, TS 32	TS 35, TS 32
135 mm / 70 mm	135 mm / 70 mm

Ordering data

	Screw connection
	Tension clamp connection
Note	

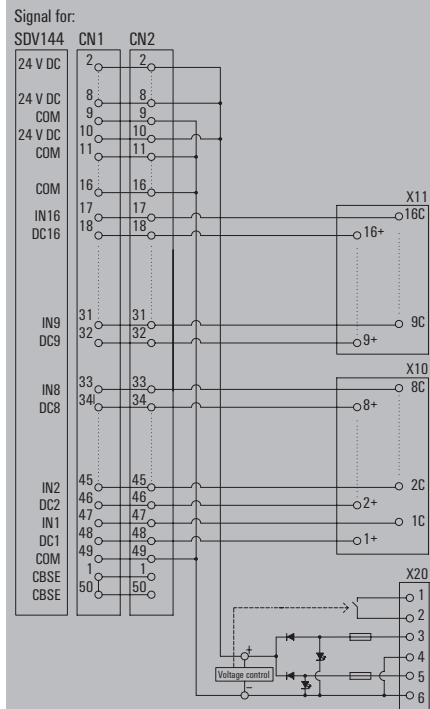
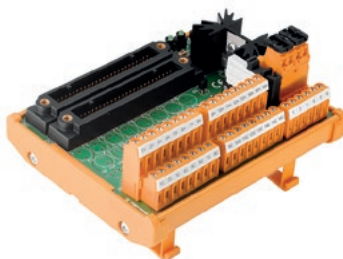
Type	Height	Order No.
TBY-RS-DIO-2KB-S	56 mm	1371540000
TBY-RS-DIO-2KB-Z	52 mm	1371570000



TBY-RS Input/Output interfaces for ProSafe digital cards

- Interface for Pro-safe SDV144 digital input Card
- 2 AKB connectors (50 poles) for redundancy
 - Dual power supply can be connected to the TBY to supply sensors and Yokogawa Card.
 - Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA); close contact and led shining means no supply fault.
 - Screw and tension clamp connection

TBY-SDV144-PS-2KB



Technical data

Connected to	
Connection to the card	SDV144
Connection data and functionality	
Connection on control side	2 x AKB (50P)
LED status display per channel	No
LED status of the supply voltage	green
Fuse per channel	No
Power supply fuse	2 A
Disconnection per channel	No
Type of test point	No
Rated data	
Operating voltage	24 V DC
Max. current per channel	1 A
Operating voltage (supply)	24 V DC
Operating current (supply)	2 A
General data	
Ambient temperature (operational)	-25...70 °C
Storage temperature	-40...85 °C
Insulation coordination	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.35 kVAC
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Clamping range, min./max. (supply)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Length x width	134 mm / 109 mm
Note	

Connected to	
Connection to the card	SDV144
Connection data and functionality	
Connection on control side	2 x AKB (50P)
LED status display per channel	No
LED status of the supply voltage	green
Fuse per channel	No
Power supply fuse	2 A
Disconnection per channel	No
Type of test point	No
Rated data	
Operating voltage	24 V DC
Max. current per channel	1 A
Operating voltage (supply)	24 V DC
Operating current (supply)	2 A
General data	
Ambient temperature (operational)	-25...70 °C
Storage temperature	-40...85 °C
Insulation coordination	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.35 kVAC
Pulse voltage test (1,2/50µs)	0.8 kV
Dimensions	
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Clamping range, min./max. (supply)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Length x width	134 mm / 109 mm
Note	

Ordering data

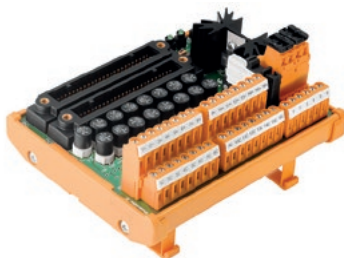
	Screw connection
	Tension clamp connection
Note	

Type	Height	Order No.
TBY-SDV144-PS-2KB-S	80 mm	1371390000
TBY-SDV144-PS-2KB-Z	80 mm	1371410000

TBY-RS Input/Output interfaces for ProSafe digital cards

- Interface for Pro-safe SDV144 digital input Card
- 2 AKB connectors (50 poles) for redundancy
- The input sensors are connected to the card with fuses.
- Dual power supply can be connected to the TBY to supply sensors and Yokogawa Card.
- Monotorization of the Power supply status with green LED and alarm contact (24 V DC / 2...100 mA).

TBY-SDV144-F-PS-2KB



Technical data

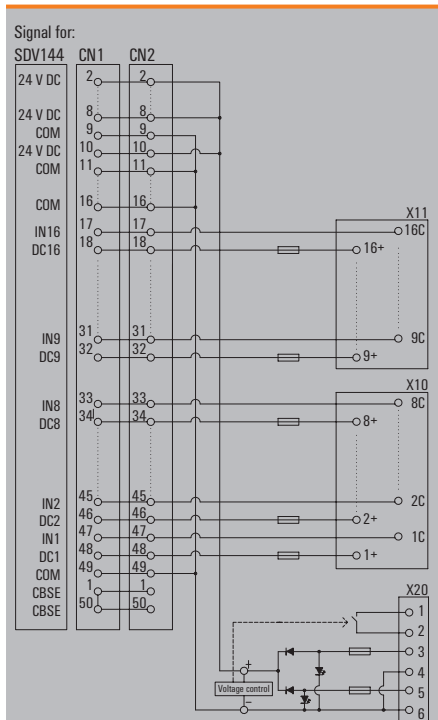
Connected to	Connection to the card
Connection data and functionality	Connection on control side
	LED status display per channel
	LED status of the supply voltage
	Fuse per channel
	Power supply fuse
	Disconnection per channel
	Type of test point
Rated data	Operating voltage
	Max. current per channel
	Operating voltage (supply)
	Operating current (supply)
General data	Ambient temperature (operational)
	Storage temperature
Insulation coordination	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)
	Rail
	Length x width
Note	

SDV144, SDV521, SDV531, SDV541	
2 x AKB (50P)	
No	
green	
100 mA	
2 A	
No	
No	
24 V DC	
1 A	
24 V DC	
1 A	
-25...70 °C	
-40...85 °C	
< 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, TS 32	TS 35, TS 32
134 mm / 109 mm	134 mm / 109 mm

Ordering data

	Screw connection
	Tension clamp connection
Note	

Type	Height	Order No.
TBY-SDV144-F-PS-2KB-S	80 mm	1395370000
TBY-SDV144-F-PS-2KB-Z	80 mm	1395380000



MIL cables

PAC-YOK - MIL Pre-made cables

Pre-built cable according:

- MIL connector - MIL connector
- MIL connector - ferrules
- Colour code according DIN47100

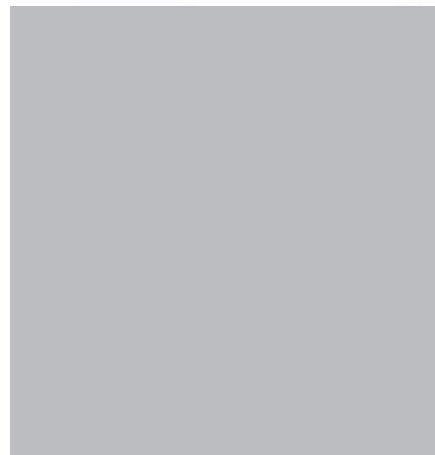
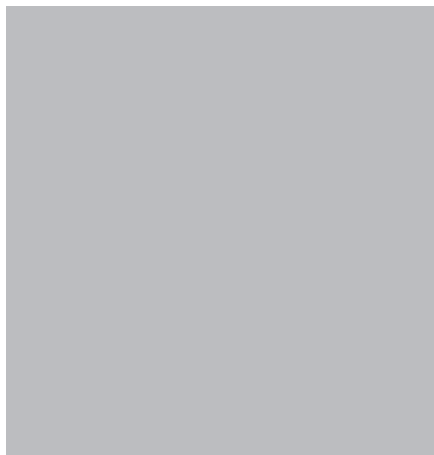
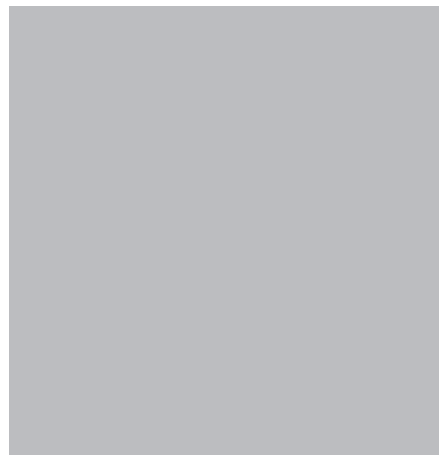
PAC-YOK-MIL-F

MIL connector to ferrules



PAC-YOK-MIL-V0

MIL connector to MIL connector



Technical data

Rated data	
Operating voltage	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 150 mΩ/m
Capacity wire / wires	300 pF/m
Capacity wire / shield	300 pF/m
Nominal rating, control cable	
Cable	Cable LiYY
Material	PVC
Wire cross-section	0.14 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Rated data		
Operating voltage	≤ 60 V DC ≤ 25 V AC	
Permissible current strength per path, max.	1 A	
Total current, max.	3 A	
Resistance	≤ 150 mΩ/m	
Capacity wire / wires	300 pF/m	
Capacity wire / shield	300 pF/m	
Nominal rating, control cable		
Cable	Cable LiYY	
Material	PVC	
Wire cross-section	0.14 mm ²	
General data		
Ambient temperature (operational)	-10...50 °C	
Storage temperature	-10...60 °C	

Rated data		
Operating voltage	≤ 60 V DC ≤ 25 V AC	
Permissible current strength per path, max.	1 A	
Total current, max.	3 A	
Resistance	≤ 150 mΩ/m	
Capacity wire / wires	300 pF/m	
Capacity wire / shield	300 pF/m	
Nominal rating, control cable		
Cable	Cable LiYCY	
Material	PVC	
Wire cross-section	0.14 mm ²	
General data		
Ambient temperature (operational)	-10...50 °C	
Storage temperature	-10...60 °C	

Note

Note

Note

Ordering data

40-pole connector	
50-pole connector	

Type	Qty.	Order No.
PAC-YOK-MIL40-F-1M	1	2420520010
PAC-YOK-MIL50-F-1M	1	2420530010

Type	Qty.	Order No.
PAC-YOK-MIL40-V0-1M	1	1536840010
PAC-YOK-MIL50-V0-1M	1	1536820010

Note

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

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

Accessories

Note

Note

Note

Connect DCS and PLS systems quickly and reliably

Backplane systems for integrating electronic components

C

The highly complex connections between DCS, PLC and other electrical components need to be wired as efficiently as possible. In some cases, additional functions also need to be integrated without taking up more space.

Backplane systems allow various electrical components, such as SIL relays or analogue converters, to be connected quickly and conveniently. This speeds up the installation and vastly simplifies the connection to the PLC or DCS.

The reinforced circuit board of our backplane allows various electrical components to be accommodated and makes it easier to add individual extra functions in a confined space. Certified pre-mounted cables simplify the connection to the DCS system and improve efficiency.



Backplane systems can help facilitate installation and wiring in the process industry – particularly when a large number of components need to be connected.

Your special advantages:

Simple integration of electrical equipment and components

Save time and costs: backplane systems simplify the installation and wiring of complex circuits and process systems. Using pre-mounted cables during installation can also effectively minimise incorrect wiring.

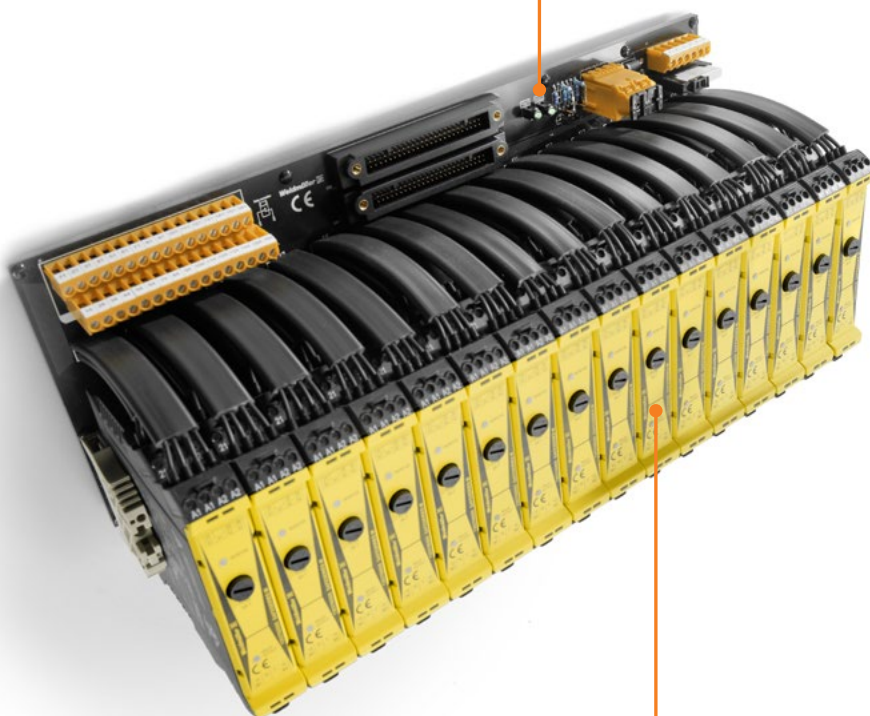
Integration of additional functions

If required, functions such as power supply alarms, diagnostic functions or HART connectivity can be integrated in the backplane without taking up extra space.



Fast and simple installation

Rigid printed circuit boards in combination with MTA mounting adapters for DIN rails ensure a robust system in the control cabinet.



Universally usable system

The system can be combined with all major commercial PLC models according to customer requirements, including Yokogawa, Honeywell, Invensys, Emerson and Siemens.



Pre-mounted cables

Pre-mounted cables ensure error-free connections between the backplane and PLC/DCS system, and are available in a variety of lengths.



High compatibility

Thanks to clip-fit fixing to the DIN rail, modules and components can be installed, replaced and customised quickly and easily.



Yokogawa backplane – SIL Backplane for digital outputs

Backplane with SIL 3 relays for Yokogawa Prosafe SDV541

- 2 AKB connectors (50 poles) for redundancy
- Green LED indicator for relay switching status
- Monitoring the power supply status with green LED and alarm contact (24 V DC / 2 - 100 mA): close contact and LED lit means no supply fault
- 2 versions: de-energised to safe SIL relays with and without monitor
- Screw connection

BKP-16DO-SDV541



Technical data

Connected to	Connection to the card
Connection data and functionality	Connection on control side
	Relay type
	Power supply fuse
Input (safety circuit)	
	Rated control voltage
	Power consumption
	Guaranteed current consumption of 24 VDC -10%
	Status indicator
Output (safety circuit)	
	Base material of the contact / Contact design
	max. permitted switching voltage
	max. permitted switching current
	max. switching current, internal fuse
	max. switching current, external fuse
	Switching capacity, min./max.
	Internal fuse
	Short-circuit-proof
	Switch-on time / Switch-off time
General data	
	Ambient temperature (operational)
	Storage temperature
Insulation coordination	
	Rated input insulation voltage
	Rated output insulation voltage
	Overvoltage category input/output
	Overvoltage category input/input
	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)
	Rail
	Length x width
Note	

SDV541
2 x AKB (50P)
SIL3
2 A
24 V DC ± 20%
42 mA
35 mA
LED yellow
AgNi 0.15 gold flashed / NO contact
250 V AC / 30 V DC
8 A
5 A (refer to derating curve)
5 A (refer to derating curve)
12 V / 10 mA / 2000 VA
5 A time-lag
No
typ. 7 ms / typ. 14 ms
-25...50 °C
-40...85 °C
50 V AC / 70 V DC
< 300 V AC
III
III
III
2
6 kV
1.2 kVAC
≥ 5.5 mm
Screw connection
0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²
TS 35
376 mm / 168 mm
For more technical data about SIL relays 1303890000 and 1303760000 check catalog.weidmueller.com

Ordering data

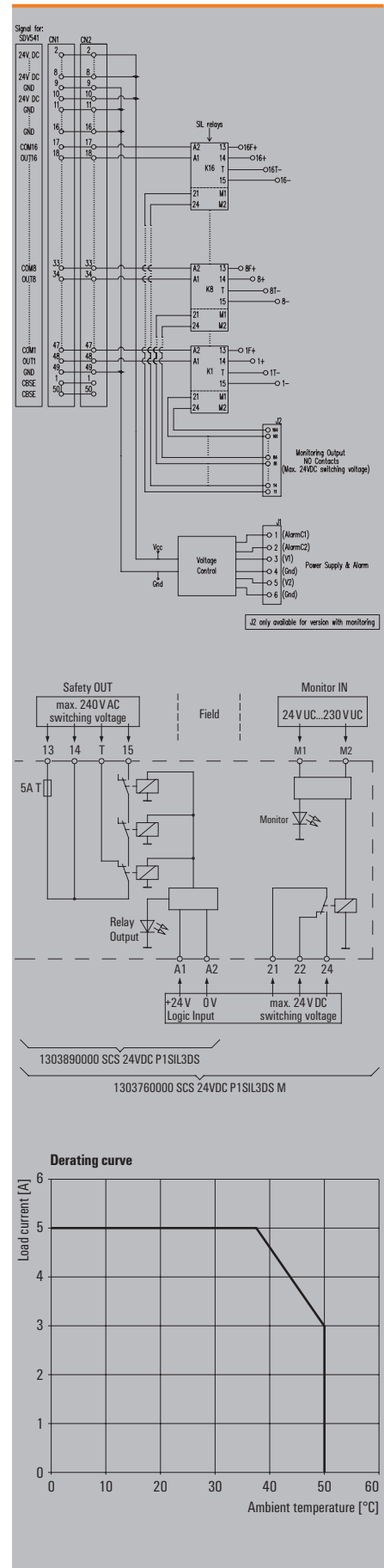
Potential-free for SIL3 relay without monitoring
Potential-free for SIL3 relay with monitoring
Note

Type	Height	Order No.
BKP-16DO-SDV541-V0-S	125 mm	2461730000
BKP-16DO-SDV541-V1-S	125 mm	2436230000

Accessories

G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	2#00 A fast
SIL relay without monitoring	
SIL relay with monitoring	
Relay (for alarm)	
Note	

Type	Qty.	Order No.
G 20/2.00A/F	10	0430900000
SCS 24VDC P1SIL3DS	1	1303890000
SCS 24VDC P1SIL3DS M	1	1303760000
RSS112024	20	4061590000



Passive interfaces for general applications

Passive interfaces for general applications	Introduction	D.2
	RS F - Interface for flat cable in accordance with IEC 60603-13 / DIN 41651	D.6
	RS SD - Interface for SUB-D connector in accordance with IEC 60807-2 / DIN 41652	D.8
	RS SD HD - Interface for connector SUB-D high density	D.10
	RS RJ45 - Interfaces with RJ45 connector	D.11
	RS ELCO - Interface with ELCO plug-in connectors	D.12
	RSX - Interface for soldering of components	D.17
	RS VERT - Supply voltage distributor modules	D.18
	RSD - Interfaces with diodes	D.21

Passive interfaces 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:

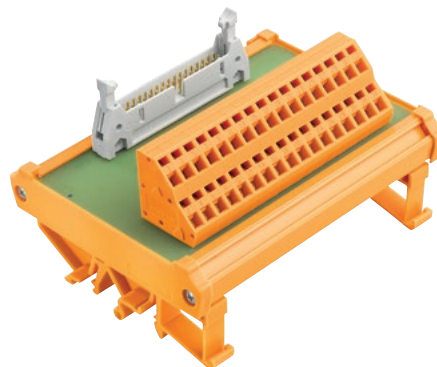
- Ribbon cable connector in accordance with IEC 60603-13/DIN 41651 (RSF)
- Miniature SUB-D plug-in connectors acc. to IEC 60807-2/DIN 41652
- RJ45 connectors for data lines
- Plug-in ELCO connectors for applications in high-demand industrial areas.

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 60603-13/ DIN 41651

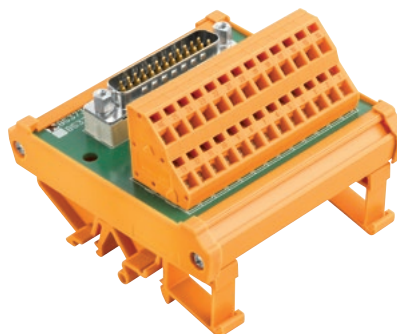


Passive interfaces for transmitting signals from a plug-in flat cable connector, based on IEC 60603-13 / DIN 41651, to a tension clamp or screw connection.

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 60807-2/ DIN 41652

Passive interfaces for transmitting signals from a plug-in SUB-D connector based on IEC 60807-2 / DIN 41652, 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.

Sub-d High density 15,26,44 and 62 poles also available in screw connection.

RS RJ45 - Interfaces with RJ45 connector

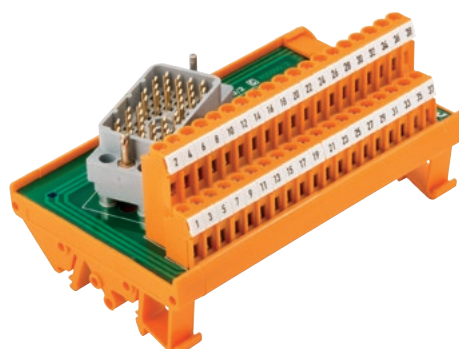
Passive interfaces transport signals from a modem, router, computer or any other communications equipment using RJ45 connectors to screw or tension clamp connections.



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

RS ELCO – Interface with ELCO plug-in connectors

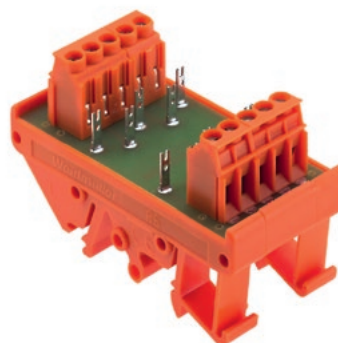
Passive interfaces that transport signals proceeding from a 20 to 90-pole male/female ELCO plug-in connector to screw or tension clamp connection techniques.



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.

RSX – Interface for soldering of components



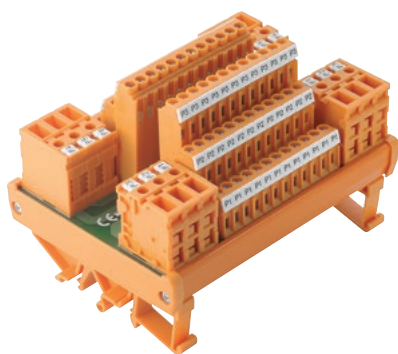
Axial components such as resistors, diodes and capacitors, can be soldered into the RSX component modules

Passive interfaces for general applications

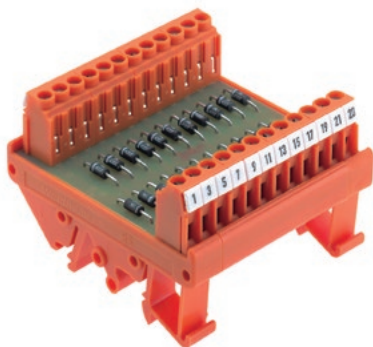
RS VERT – Supply voltage distributor modules

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.



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:

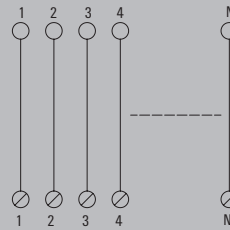
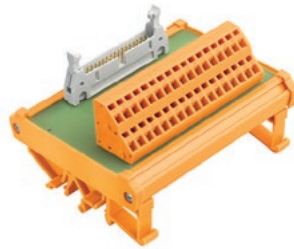
- In common anode
- In common cathode
- Transverse diode

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

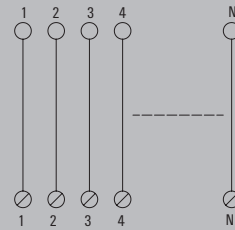
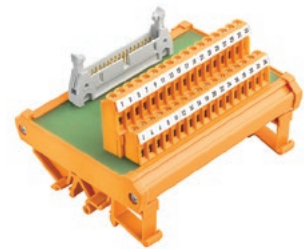
RS F - Interface for flat cable in accordance with IEC 60603-13 / DIN41651
**RS F - Interface for flat cable
in accordance with IEC 60603-13/DIN41651**

 Interface for flat cable in accordance with IEC 60603-13/
DIN41651

- 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
Type of connection

Rated data

 Rated voltage
Rated current per connection

General data

 Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination

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

Dimensions

 Clamping range, min./max. (field)
Rail
Width x height

Note

Plug-in connector in acc. with IEC60603-13 / DIN41651

Tension-clamp connection

60 V AC / 75 V DC

1 A

0...55 °C

-40...70 °C

CE; EAC

100 V

II

2

0.8 kV

 0.13 mm² / 2.5 mm²

TS 35, TS 32

87 mm / 64 mm

Plug-in connector in acc. with IEC60603-13 / DIN41651

Screw connection

60 V AC / 75 V DC

1 A

0...55 °C

-40...60 °C

CE; EAC

100 V

II

2

0.8 kV

 0.13 mm² / 6 mm²

TS 35, TS 32

87 mm / 70 mm

Ordering data

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

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
Accessories
Note

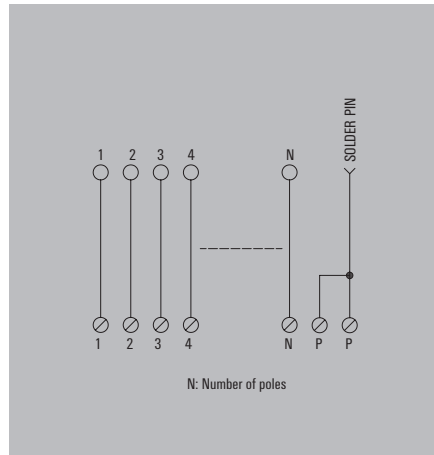
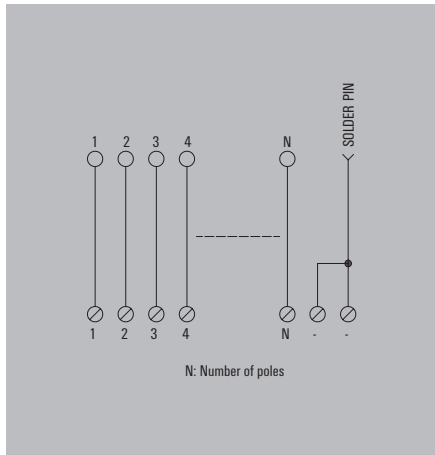
Refer to the "Universal cables PAC-UNIV" section in chapter F

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

RSF S/ COMPACT



RSF S/ RS45



Plug-in connector in acc. with IEC60603-13 / DIN41651
Screw connection
60 V AC / 75 V DC
1 A
0...55 °C
-40...70 °C
CE; EAC
100 V
II
2
0.8 kV
0.13 mm ² / 6 mm ²
TS 35, TS 32
87 mm / 76 mm

Plug-in connector in acc. with IEC60603-13 / DIN41651
Screw connection
60 V AC / 75 V DC
1 A
0...55 °C
-40...70 °C
CE; EAC
100 V
II
2
0.8 kV
0.15 mm ² / 1.5 mm ²
TS 35, TS 32
45 mm / 65.5 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

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	176 mm	8259000000
RS F64 LPK 2H/66	186 mm	8155550000

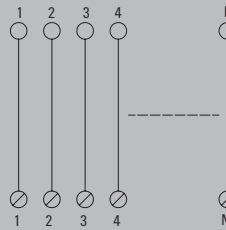
Refer to the "Universal cables PAC-UNIV" section in chapter F

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

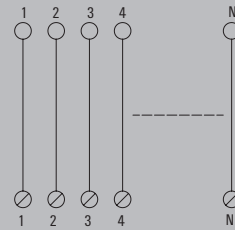
RS SD - Interface for SUB-D connector in accordance with IEC 60807-2 / DIN 41652
RS SD - Interface for SUB-D connector in accordance with IEC 60807-2 / DIN 41652

Interface for SUB-D connector in accordance with IEC 60807-2 / 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
Type of connection
Rated data
Rated voltage
Rated current per connection
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordination
Rated insulation voltage
Surge voltage category
Pollution severity level
Pulse voltage test (1,2/50µs)
Dimensions
Clamping range, min./max. (field)
Rail
Width x height
Note

D-sub connectors, acc. to IEC 60807 / DIN 41652
Tension-clamp connection
100 V
1.5 A
0...55 °C
-40...70 °C
CE; EAC
100 V
II
2
0.8 kV
0.13 mm ² / 2.5 mm ²
TS 35, TS 32
87 mm / 63.6 mm

D-sub connectors, acc. to IEC 60807 / DIN 41652
Screw connection
100 V
1.5 A
0...55 °C
-40...70 °C
CE; EAC
100 V
II
2
0.8 kV
0.13 mm ² / 6 mm ²
TS 35, TS 32
87 mm / 76 mm

Ordering data

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

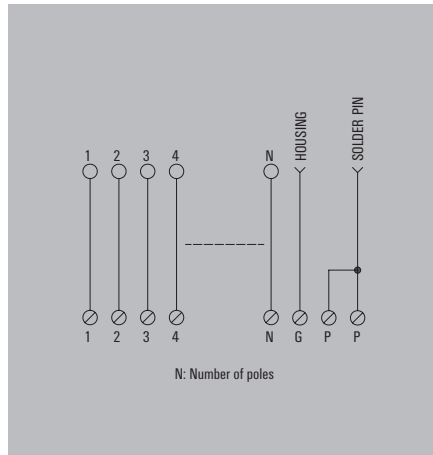
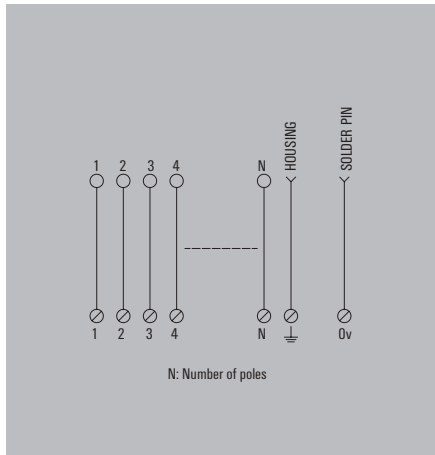
Note

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

RSSD/ COMPACT



RSSD / RS45



D-sub connectors, acc. to IEC 60807 / DIN 41652
Screw connection
100 V
1.5 A
0...55 °C
-40...70 °C
CE; EAC
100 V
II
2
0.8 kV
0.13 mm ² / 6 mm ²
TS 35, TS 32
87 mm / 80 mm

D-sub connectors, acc. to IEC 60807 / DIN 41652
Screw connection
100 V
1.5 A
0...55 °C
-40...70 °C
CE; EAC
100 V
II
2
0.8 kV
0.15 mm ² / 1.5 mm ²
TS 35, TS 32
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

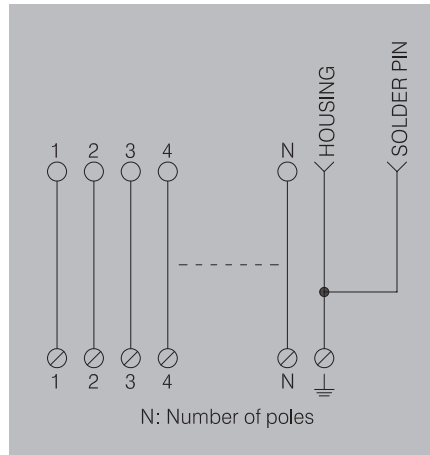
Type	Length	Order No.
RS SD9S UNC LPK2	50 mm	8259010000
RS SD15S UNC LPK2	61 mm	8233350000
RS SD25S UNC LPK2	86 mm	8155650000
RS SD37S UNC LPK2	116 mm	8155660000
RS SD50S UNC LPK2	154 mm	8155670000
RS SD9B UNC LPK2	50 mm	8216480000
RS SD15B UNC LPK2	61 mm	8209730000
RS SD25B UNC LPK2	86 mm	8155620000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

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

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

RS SD HD - Interface for connector SUB-D high density
**Interface for connector
SUB-D high-density**

- Connection 1:1
- 15,26,44,62 poles
- Screw connection

RS SD HD

Technical data
Connection data

Connection on control side
Type of connection

Rated data

Rated voltage
Rated current per connection

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination

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

Dimensions

Clamping range, min./max. (field)
Rail
Width x height

Note

High-density SUB-D plug-in connectors
Screw connection

125 V AC / 175 V DC
1 A

-25...50 °C
-40...60 °C
CE; EAC

125V AC / 175 V DC
II
2
1.15 kV

0.13 mm² / 6 mm²
TS 35, TS 32
70 mm / 71 mm

Ordering data

15-pole male connector
26-pole male connector
44-pole male connector
62-pole male connector
15-pole female connector
26-pole female connector
44-pole female connector
62-pole female connector

Type	Length	Order No.
RS SD15M HD UNC4.40 S	40 mm	1428080000
RS SD26M HD UNC4.40 S	55 mm	1428090000
RS SD44M HD UNC4.40 S	95 mm	1428110000
RS SD62M HD UNC4.40 S	135 mm	1428120000
RS SD15F HD UNC4.40 S	40 mm	1428130000
RS SD26F HD UNC4.40 S	55 mm	1428140000
RS SD44F HD UNC4.40 S	95 mm	1428150000
RS SD62F HD UNC4.40 S	135 mm	1428160000

Note
Accessories
Note

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

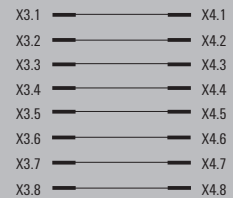
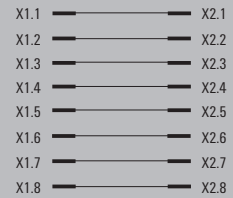
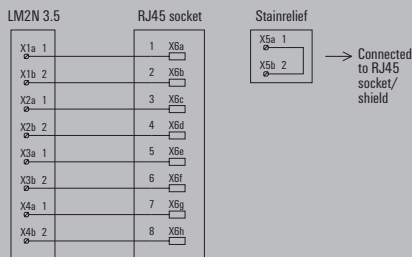
RS RJ45 - Interfaces with RJ45 connector

- 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	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Pulse voltage test (1,2/50µs)	
Dimensions	
Clamping range, min./max. (field)	
Rail	
Width x height	
Note	

RJ45 plug-in connectors	
LM2N 3.5mm	
50 V	
1 A	
0...55 °C	
-40...70 °C	
CE; EAC	
< 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	

2 x RJ45 connector	
2 x RJ45 plug-in connectors	
50 V	
1 A	
0...55 °C	
-40...70 °C	
CE; EAC	
< 50 V AC	
III	
2	
0.8 kV	
TS 35, TS 32	
45 mm / 44.2 mm	
Connect shielding of data line to protective earth at one end	

Ordering data

Type	Length	Order No.
RS RJ45	30 mm	8611320000

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

Note

Accessories

Note

RS ELCO - Interface with ELCO plug-in connectors
**RS ELCO - Interface
with male ELCO plug-in connectors**

Passive interface for transporting signals originating from a male ELCO plug-in connector to screw or tension clamp connection techniques.

- Family with male plug-in connectors with 20, 38, 56 and 90 poles
- The connector is polarised to avoid errors in the connection (Position 1)
- High resistance to vibration and low contact resistance

RS ELCO S

RS ELCO 90/90 S

Technical data
Rated data

Rated voltage
Rated current per connection

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination

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; EAC

< 150 V AC
II
2
2.5 kV

150 V AC / 200 V DC
0.5 A

-25...50 °C
-40...60 °C
CE; EAC

< 150 V AC
II
2
2.5 kV

Dimensions

Clamping range, min./max. (field)
Rail
Width x height

Note
Screw connection

0.13 mm² / 6 mm²
TS 35, TS 32
70 mm / 60 mm

Polarizer in position 1

Screw connection

0.13 mm² / 6 mm²
TS 35, TS 32
109 mm / 76 mm

Polarizer in position 1

Ordering data

Type	Length	Order No.
20-pole right	60 mm	1126610000
20-pole left	60 mm	1126630000
38-pole right	105 mm	1126650000
38-pole left	105 mm	1126670000
56-pole right	95 mm	1126690000
56-pole left	95 mm	1126710000
56-pole right	155 mm	1126730000
56-pole left	155 mm	1126750000
56-pole right	155 mm	1126770000
56-pole left	155 mm	1126790000
90-pole right	242 mm	1126810000
90-pole left	242 mm	1126870000

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
RS ELCO 90/90RM S	242 mm	1126810000
RS ELCO 90/90LM S	242 mm	1126870000

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
RS ELCO 90/90RM S	242 mm	1126810000
RS ELCO 90/90LM S	242 mm	1126870000

Accessories
Note

Refer to the "Universal cables PAC-ELCO" section in chapter F

Refer to the "Universal cables PAC-ELCO" section in chapter F

RS ELCO - Interface
with female ELCO plug-in connectors

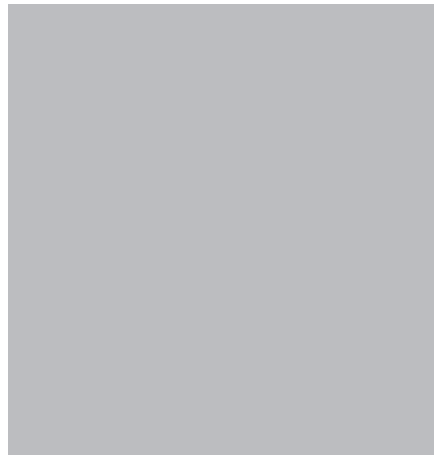
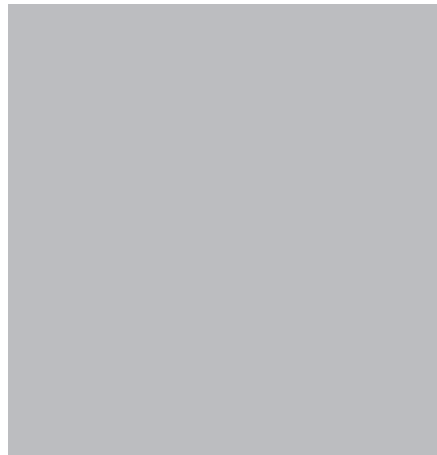
Passive interfaces for transmitting signals from a plug-in ELCO female connector to a screw connection.

- Family of 20, 38, to 56-pole female plug-in connectors
- Polarisation of the connector to prevent errors in connection (position 1)
- High resistance to vibration and low contact resistance

RS ELCO F



RS ELCO F 56



Technical data

Rated data	
Rated voltage	150 V AC / 200 V DC
Rated current per connection	1.5 A
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination	
Rated insulation voltage	< 150 V AC
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.5 kV

Rated voltage	150 V AC / 200 V DC
Rated current per connection	1.5 A
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE
Rated insulation voltage	< 150 V AC
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.5 kV

Rated voltage	150 V AC / 200 V DC
Rated current per connection	5 A
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE
Rated insulation voltage	< 150 V AC
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.5 kV

Dimensions

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Width x height	70 mm / 60 mm
Note	Polariser in position 1

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Width x height	70 mm / 60 mm
Note	Polariser in position 1

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Width x height	70 mm / 60 mm
Note	Polariser in position 1

Ordering data

Type	Length	Order No.
20-pole right	60 mm	1480740000
20-pole left	60 mm	1480750000
38-pole right	105 mm	1480760000
38-pole left	105 mm	1480770000
56-pole right	155 mm	1480780000
56-pole left	155 mm	1480790000

Type	Length	Order No.
RS ELCOF 20/20RM S	60 mm	1480740000
RS ELCOF 20/20LM S	60 mm	1480750000
RS ELCOF 38/38RM S	105 mm	1480760000
RS ELCOF 38/38LM S	105 mm	1480770000
RS ELCOF 56/56RM S	155 mm	1480780000
RS ELCOF 56/56LM S	155 mm	1480790000

Type	Length	Order No.
RS ELCOF 56/56RM S	155 mm	1480780000
RS ELCOF 56/56LM S	155 mm	1480790000

Note

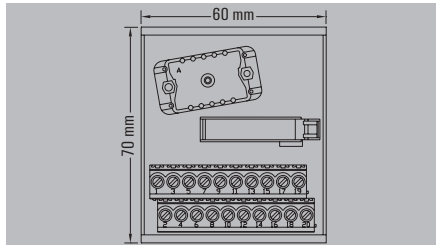
Accessories

Note	Refer to the "PAC-ELCO universal cables" section in this chapter
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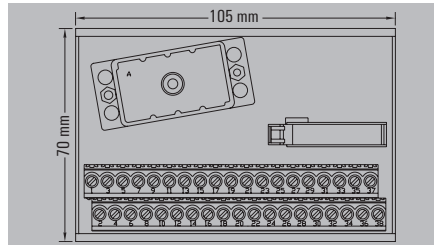
Note	Refer to the "PAC-ELCO universal cables" section in this chapter
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Note	Refer to the "PAC-ELCO universal cables" section in this chapter
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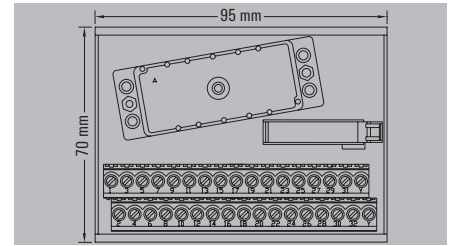
RS ELCO male connector: Dimensional Drawings



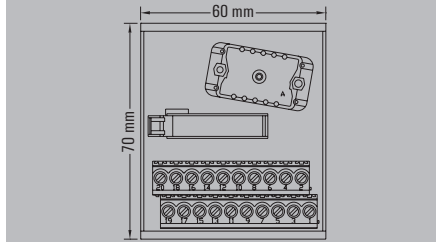
ELCO 20/20L LEFT



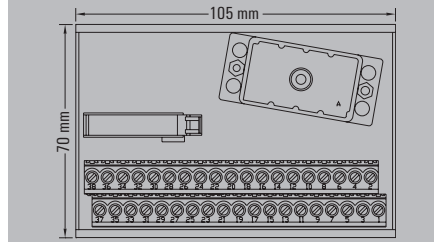
ELCO 38/38L LEFT



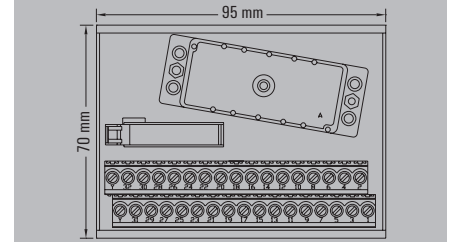
ELCO 56/32L LEFT



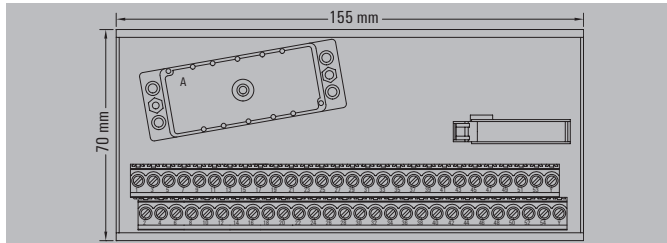
ELCO 20/20R RIGHT



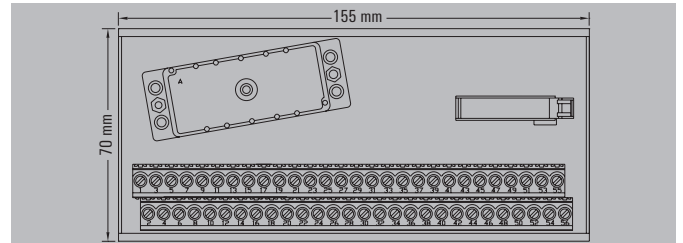
ELCO 38/38R RIGHT



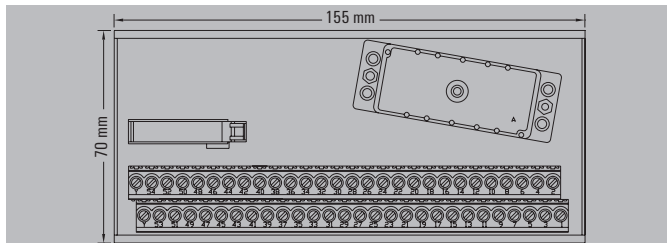
ELCO 56/32R RIGHT



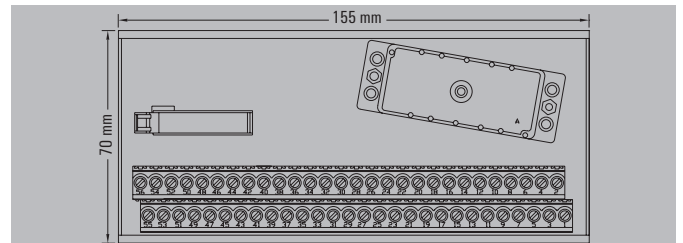
ELCO 56/54L LEFT



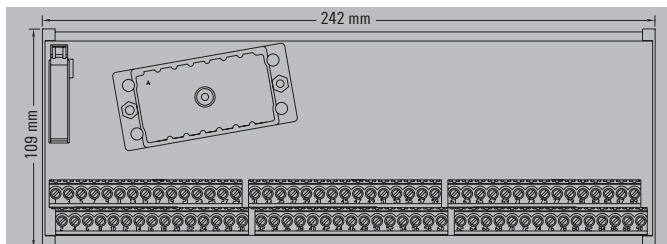
ELCO 56/56L LEFT



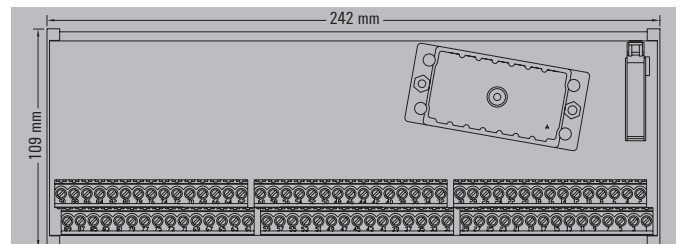
ELCO 56/54R RIGHT



ELCO 56/56R RIGHT

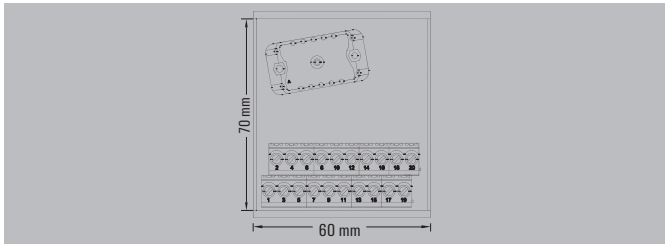


ELCO 90/90L LEFT

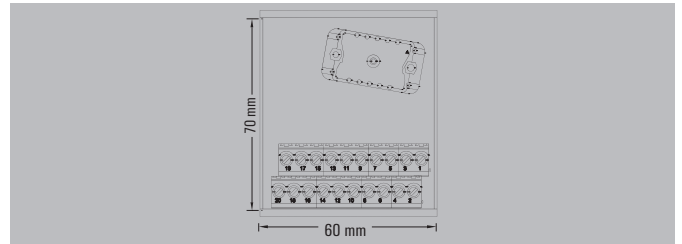


ELCO 90/90R RIGHT

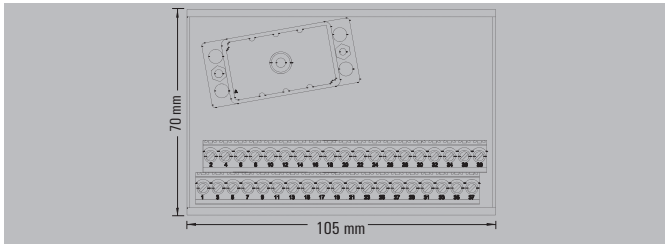
RS ELCOF female connector: Dimensional Drawings



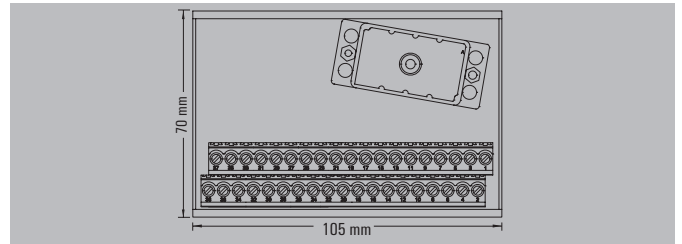
RS ELCOF 20/20LM S



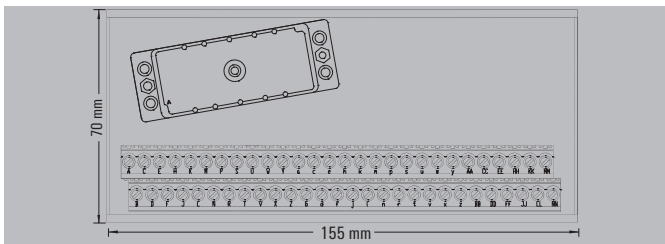
RS ELCOF 20/20RM S



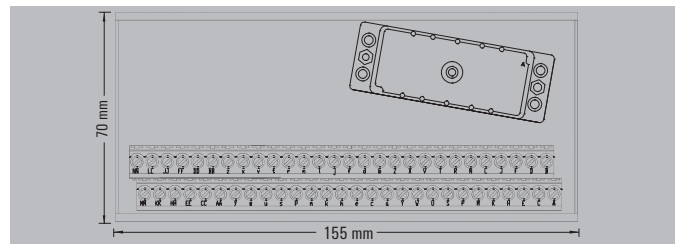
RS ELCOF 38/38LM S



RS ELCOF 38/38RM S



RS ELCOF 56/56LM S



RS ELCOF 56/56RM S

RS ELCO - Interface with ELCO plug-in connectors

Pin assignment

ELCO connector 20-pole	RS ELCO 20/20RM S RS ELCO 20/20LM S RS ELCOF 20/20RM S RS ELCOF 20/20LM S
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 RS ELCO 38/38LM S RS ELCOF 38/38RM S RS ELCOF 38/38LM S
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	

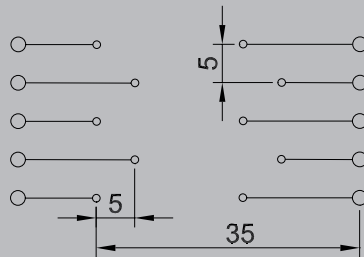
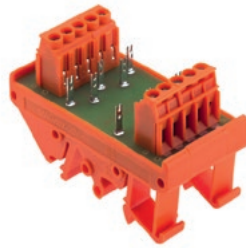
ELCO connector 56-pole	RS ELCO 56/32RM S RS ELCO 56/32LM S	RS ELCO 56/54RM S RS ELCO 56/54LM S	RS ELCO 56/56RM S RS ELCO 56/56LM S RS ELCOF 56/56RM S RS ELCOF 56/56LM S
A	1	1	1
B	2	2	2
C	3	3	3
D	4	4	4
E	5	5	5
F	6	6	6
H	7	7	7
J	8	8	8
K	9	9	9
L	10	10	10
M	11	11	11
N	12	12	12
P	13	13	13
R	14	14	14
S	15	15	15
T	16	16	16
U	17	17	17
V	18	18	18
W	19	19	19
X	20	20	20
Y	Y	YY	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 RS ELCO 90/90LM S
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	

Interface for soldering of components

- For soldering 5 components
- Height of solder tabs: 6mm

RSX LOETST. LP



Technical data

Rated data	
Rated control voltage	250 V
Rated current per connection	5 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60°C
Approvals	CE
Insulation coordination	
Rated insulation voltage	II
Surge voltage category	2

Dimensions	
Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 32, TS 35
Width x height	70 mm / 42 mm
Note	

Ordering data

Type	Length	Order No.
RSX LOETST. LP		0329761001

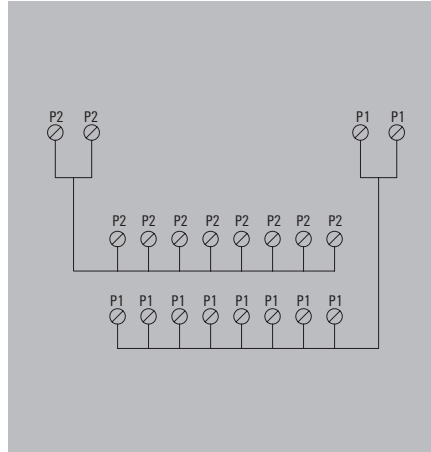
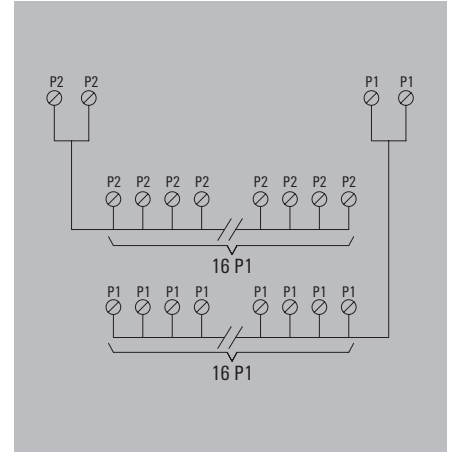
Note

Accessories

Note

RS VERT - Supply voltage distributor modules
RS VERT - 2 potentials

- Distribution module with 2, 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
Maximum current per distributor connection
Maximum current per potential connection
Total operating current

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination

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; EAC

< 50 V AC
III
2
0.8 kV

max. 30 V
5 A
5 A
10 A

0...55 °C
-40...60 °C
CE; EAC

< 50 V AC
III
2
0.8 kV

Dimensions

Clamping range, min./max. (field)
Clamping range, min./max. (supply)
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, TS 32
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, TS 32
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

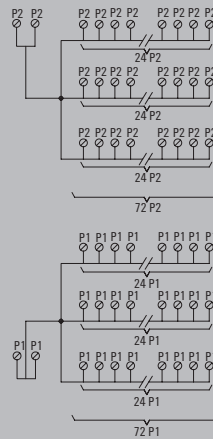
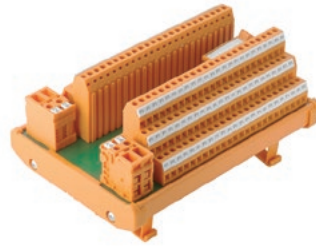
Type	Height	Order No.
RS VERT8 LPK2	64 mm	8252010000

Type	Height	Order No.
RS VERT16 LPK2	64 mm	8234620000

Note
Accessories
Note

RS VERT - 2 potentials

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

RS VERT 2P/ 72P1 -72P2 S**Technical data****Rated data**

Operating voltage
 Maximum current per distributor connection
 Maximum current per potential connection
 Total operating current

≤ 250 V DC ≤ 250 V AC
 10 A
 10 A
 20 A

General data

Ambient temperature (operational)
 Storage temperature
 Approvals

0...55 °C
 -40...60 °C
 CE; EAC

Insulation coordination

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

< 300 V AC
 III
 2
 4 kV

Dimensions

Clamping range, min./max. (field)
 Clamping range, min./max. (supply)
 Rail
 Length x width

Screw connection

0.15 mm² / 1.5 mm²
 0.15 mm² / 6 mm²
 TS 35, TS 32
 160 mm / 109 mm

Note**Ordering data**

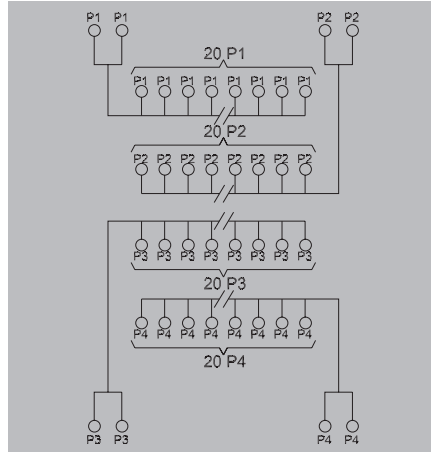
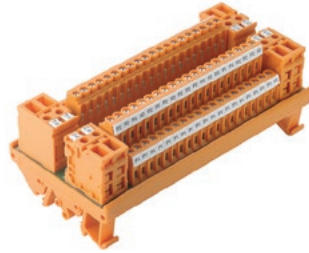
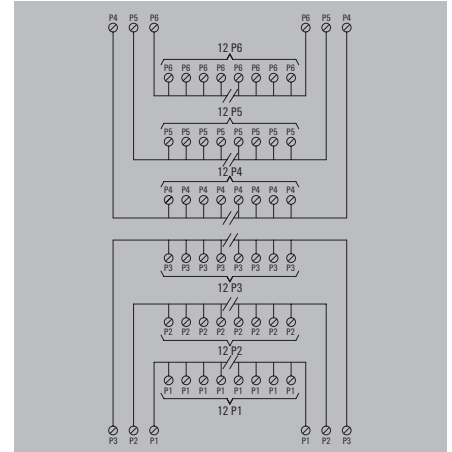
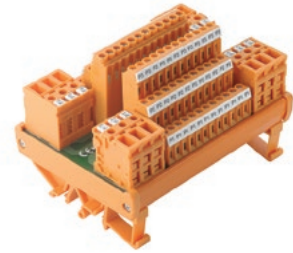
Screw connection

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

Note**Accessories****Note**

RS VERT - Supply voltage distributor modules
RS VERT - 4 and 6 potentials

- Distribution module with 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
Maximum current per distributor connection
Maximum current per potential connection
Total operating current

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordination

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

< 600 V AC
15 A
30 A
120 A

-25...50 °C
-40...60 °C
CE; EAC

< 600 V AC
III
2
6 kV

250 V AC
15 A
20 A
120 A

-25...50 °C
-40...60 °C
CE; EAC

< 300 V AC
III
2
4 kV

Dimensions

Clamping range, min./max. (field)
Clamping range, min./max. (supply)
Rail
Length x width

Note
Screw connection

0.13 mm ² / 6 mm ²
0.13 mm ² / 6 mm ²
TS 35, TS 32
145 mm / 70 mm

Tension clamp conn.

0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²
TS 35, TS 32
145 mm / 70 mm

Screw connection

0.13 mm ² / 6 mm ²
0.13 mm ² / 6 mm ²
TS 35, TS 32
122 mm / 87 mm

Tension clamp conn.

0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²
TS 35, TS 32
122 mm / 87 mm

Ordering data

Screw connection
Tension-clamp connection

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

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

Note
Accessories
Note

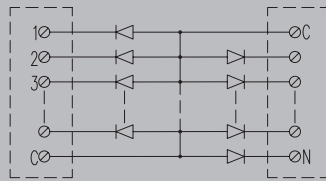
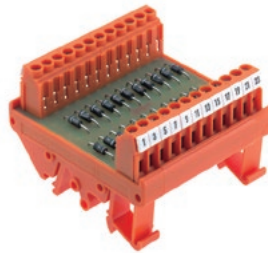
RSD - interfaces with diodes

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

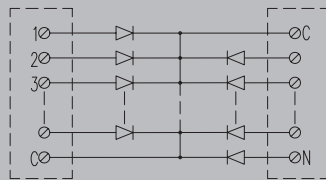
- Diode 1N4007
- Mounting on TS32/35

RSD A / RSD K

Common anode or cathode



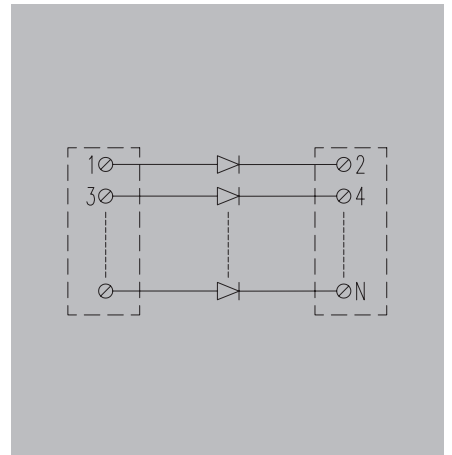
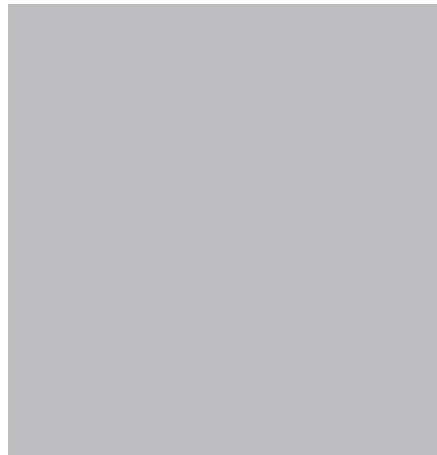
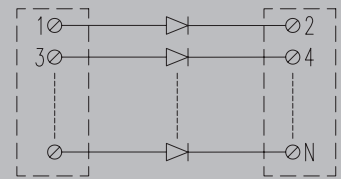
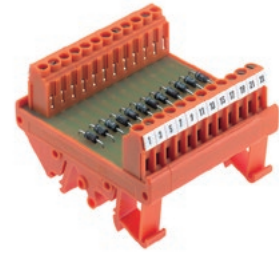
RSD A



RSD K

RSD

Independent diodes



Technical data

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

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

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

Dimensions

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Width x height	70 mm / 42 mm
Note	

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Width x height	70 mm / 42 mm
Note	

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Rail	TS 35, TS 32
Width x height	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)		
22 K diodes (shared negative pole)		
Note		

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
RSD K22 LP/LP	65 mm	0181061001

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

Accessories

Note	
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Note	
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Note	
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Isolated Interfaces and solutions for general applications

Isolated Interfaces and solutions for general applications	RSM/RSMS multiple relay modules - General description	E.2	
	RSM multiple relay modules - Interfaces with 12,5 mm relays (RCL)	E.5	
	RSMS multiple relay modules - Interfaces with 6,1 mm relays (RCL)	E.13	
	TERMSERIES PLC'S system cables - General description	E.16	
	TERMSERIES PLC'S system cables - Selection tables	E.18	
	PLC ABB S800	- Selection table	E.19
	PLC EMERSON DELTA V	- Selection table	E.20
	PLC GE FANUC RX3I	- Selection table	E.21
	PLC HONEYWELL C200	- Selection table	E.23
	PLC HONEYWELL C300	- Selection table	E.24
	PLC MITSUBISHI MELSEC Q	- Selection table	E.26
	PLC OMRON CJ1W	- Selection table	E.28
	PLC ROCKWELL COMPACT LOGIX	- Selection table	E.32
	PLC ROCKWELL CONTROL LOGIX	- Selection table	E.34
	PLC SCHNEIDER M340	- Selection table	E.36
	PLC SCHNEIDER PREMIUM	- Selection table	E.38
	PLC SCHNEIDER QUANTUM	- Selection table	E.39
	PLC SIEMENS S7-300	- Selection table	E.40
	PLC SIEMENS S7-400	- Selection table	E.42
	PLC SIEMENS S7-1500	- Selection table	E.43
	PLC YOKOGAWA CENTUM	- Selection table	E.44
	PLC YOKOGAWA STARDOM	- Selection table	E.45
	PLC WEIDMÜLLER U-REMOTE	- Selection table	E.46
	TERMSERIES adapters		E.47
	TERMSERIES - relays modules from 6mm width		E.51

Connecting relay modules to controls in a compact fashion

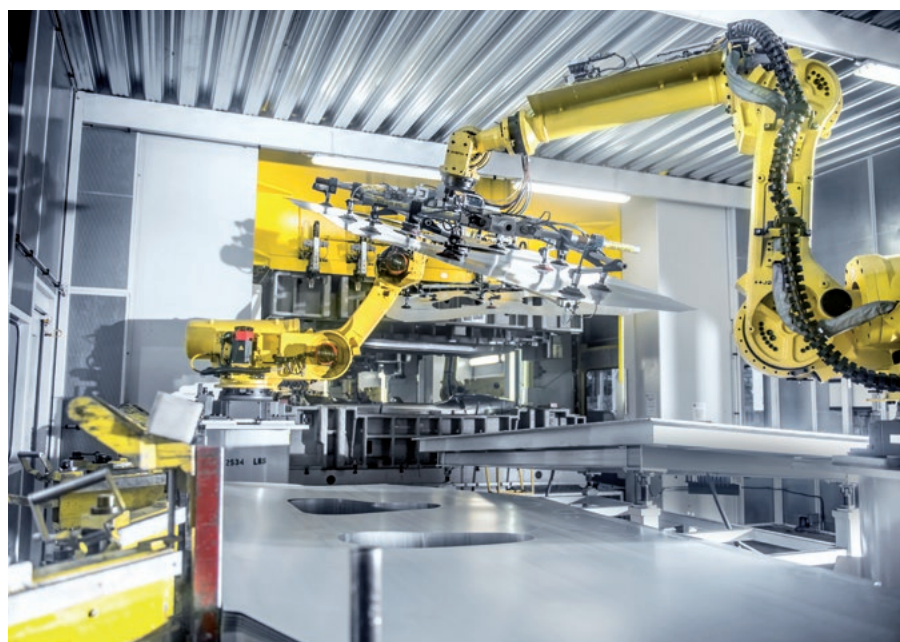
It's child's play with our RSM multiple relay modules

You want relay modules that save space and can be wired with minimal effort. Our compact RSM modules save time and money. Let's connect.

A growing number of applications require dense wiring to be connected in a very small space, in a very short time. Our RSM relay modules form interfaces with 4, 8 or 16 electromechanical and/or solid-state relays.

E Our RSM modules are extremely compact. For quick wiring, the DC variants come with a shared positive or negative potential. An optional IEC 603-13 plug-in connector allows pre-assembled lines to be connected.

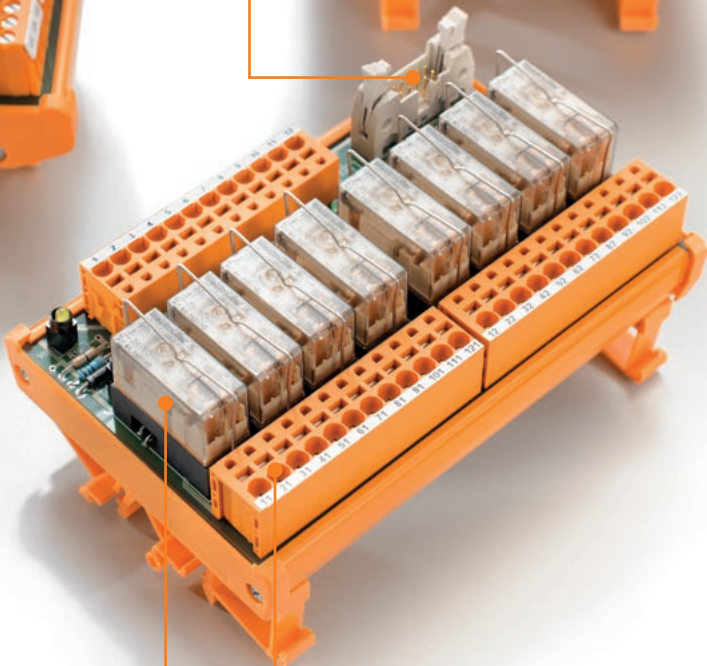
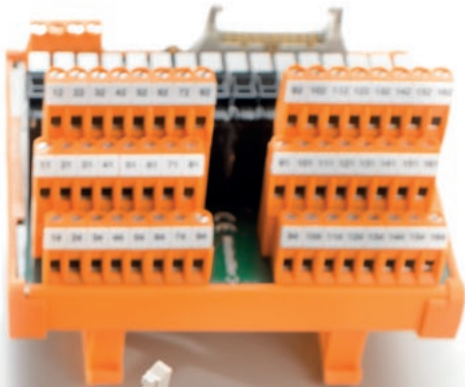
The RSM series comes in various functional variants, making it highly flexible. Available with 1 or 2 CO contacts and a 16/8 A relay (RCL), as a slim 6 A relay (RSS) or with a test button (RCI).



Relay modules that save a lot of space

A growing number of applications require dense wiring to be connected in a very small space, in a very short time – for instance in machinery, process and conventional power stations. RSM relay modules allow extremely compact solutions.

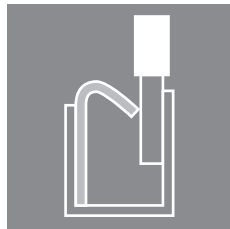
Fast, safe and easy connection.
With PAC-UNIV pre-assembled cables, it's easy to connect the interfaces to almost any controller on the market.



Clear marking
One green LED per channel ensures that each contact is clearly identified.

Excellent electrical properties
Galvanic isolation with electromechanical or solid-state relay allows the voltage of the controller to be adjusted to that of the field elements (e.g. sensors).

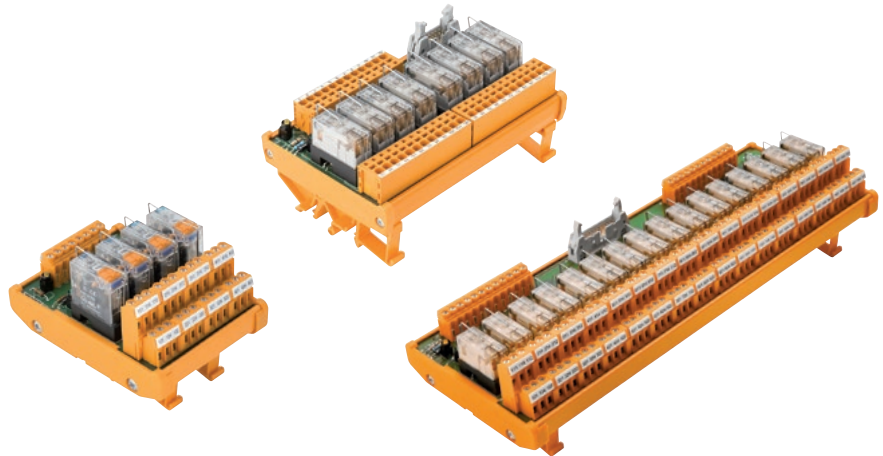
PUSH IN connection for 1 changeover version



RSM 1CO/2CO – Relay interface

1 or 2 changeover

- Interface from 4 to 16 electromechanical relays
- 1 or 2 changeover
- Positive or negative switching or AC
- With optional test button with latching function (RCL relays)
- Empty boards available (BASE)
- Flat-connector available to make easy the connection to PLC'S
- Compatible with solid-state relays
- Screw and "PUSH IN" for 1 changeover
- Screw and tension clamp for 2 changeover



General technical data

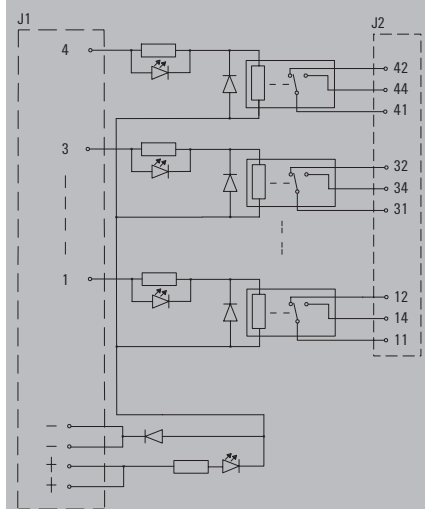
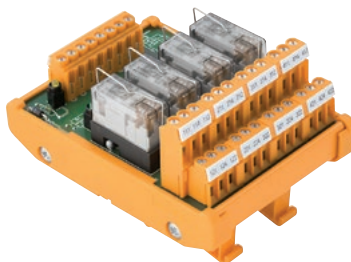
General features	
Relay	
LED status display per channel	
LED status of the supply voltage	
Nominal output data	
Contact material	
Operative voltage	
Max. AC continuous current	
Minimum contact current	
Minimum contact voltage	
Mechanical service life (dc coil)	
Mechanical service life (ac coil)	
Operating temperature	
Storage temperature	
Insulation coordination (EN 50178)	
Rated input insulation voltage	
Rated output insulation voltage	
Overtoltage category input/output	
Overtoltage category input/output	
Pollution severity level	
Impulse voltage test (1.2/50µs)	
Insulation test voltage	
Clearance input/output	
Dimensions	
Clamping range, min. [Field]/ Clamping range, max. [Field]	
Clamping range, min. [supply]/Clamping range, max. [supply]	
Mounting rail	
Width / height	mm
Width / height (RCL)	mm
Width / height (BASE)	mm
Note	

1 changeover	
RCL (standard) / RCI (test button)	
Green	
Yellow	
AgNi 90/10	
250 V AC	
6 A	
100 mA	
5 V DC	
30 x 10 ⁶ / 10 x 10 ⁶ (RCL) switchings	
10 x 10 ⁶ / 5 x 10 ⁶ (RCL) switching cycles	
-25...+50 °C	
-40...+60 °C	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kV AC	
≥ 5,5 mm	
Screw connection	PUSH IN
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.12 mm ² / 2.5 mm ²
TS 32 / TS 35	TS 32 / TS 35
87 x 66	87 x 66
87 x 77	87 x 77
87 x 53	87 x 51
Note	
Electromechanical relays: 12 V DC: Spare relay RCL314012 8693240000; 24 V DC: Spare relay RCL314024 8693260000; 24 V AC/DC: Spare relay relay RCL314024 8693260000; 48 V DC: Spare relay RCL31404 8693380000; 115 V AC/DC: Spare relay RT314110 4058500000; 230 V AC: Spare relay RCL314730 8693320000. Solid-state relays: SSR 24 V DC/0-24 V DC 3.5 A 1132310000; SSR 24 V DC/max. 240 V AC 1 A 113229000. RCL relay: Spare relay RCL314024 8693260000	

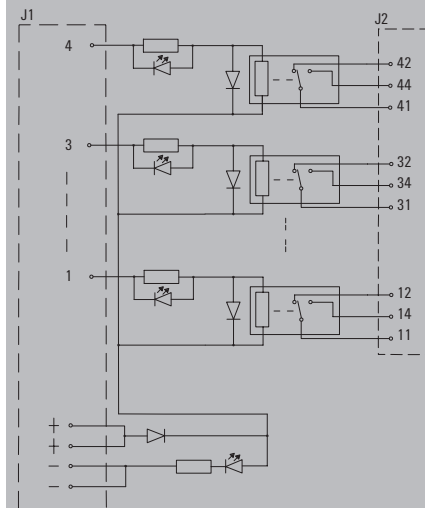
2 changeover	
RCL (standard) / RCI (test button)	
Green	
Yellow	
AgNi 90/10	
250 V AC	
5 A	
100 mA	
5 V DC	
30 x 10 ⁶ / 10 x 10 ⁶ (RCL) switchings	
5 x 10 ⁶ switching cycles	
-25...+50 °C	
-40...+60 °C	
< 50 V AC	
250 V AC	
III	
III	
2	
6 kV	
1.2 kV AC	
≥ 5,5 mm	
Screw connection	Tension clamp
0.13 mm 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
109 x 71	109 x 66
109 x 75	109 x 75
Note	
Electromechanical relays: 12 V DC: Spare relay RCL424012 4058560000; 24 V DC: Spare relay RCL424024 4058570000; 24 V AC/DC: Spare relay RCL424024 4058570000; 48 V DC: Spare relay RCL424048 4058750000; 115 V AC/DC: Spare relay RCL424110 4058590000; 230 V AC: Spare relay RCL424730 4058630000; RCL relay: Spare relay RCL484024 8870030000	

RSM multiple relay modules - Interfaces with 12,5 mm relays (RCL)

4 Relays - Screw/PUSH IN/Tension clamp



RSM-4 12 V+/24 V+/48 V+ 1CO
RSM-4I 24 V+
RSM-4 24 V+ BASE



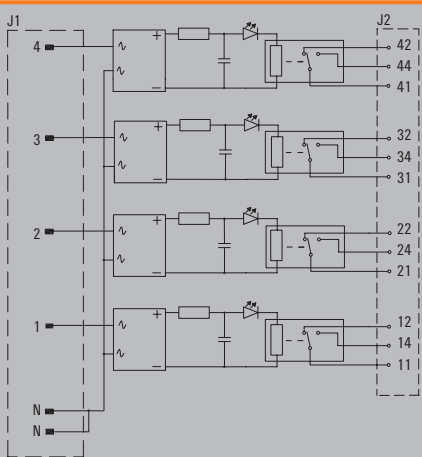
RSM-4 12 V-/24 V-/48 V- 1CO

Technical data

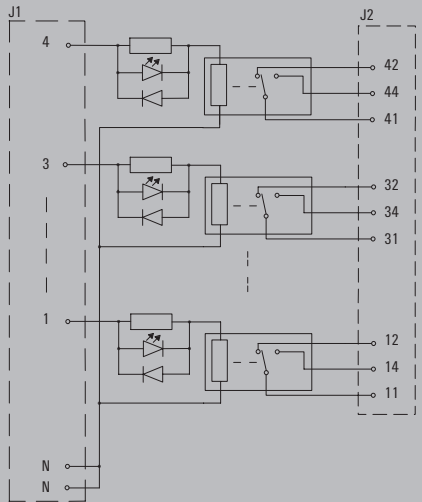
Connection control side	Screw/Tension clamp/PUSH IN
Connection field side (1CO)	Screw/PUSH IN
Connection field side (2CO)	Screw/Tension clamp
Length	69 mm (1CO) / 75 mm (2CO)
12 V DC	
Operating voltage	12 V DC $\pm 10\%$
Rated current (dc)	33 mA
Free wheel diode	Yes
24 V DC	
Operating voltage	24 V DC $\pm 10\%$
Rated current (dc)	16.7 mA
Free wheel diode	Yes
24 V AC/DC	
Operating voltage	24 V AC/DC $\pm 10\%$
Rated current (dc)	22.9 mA
Rated current (ac)	13.9 mA
Free wheel diode	No
48 V DC	
Operating voltage	48 V DC $\pm 10\%$
Rated current (dc)	8.7 mA
Free wheel diode	Yes
115 V AC/DC	
Operating voltage	115 V AC/DC $\pm 10\%$
Rated current (dc)	4.8 mA
Rated current (ac)	3.3 mA
Free wheel diode	No
230 V AC	
Operating voltage	230 V AC $\pm 10\%$
Rated current (ac)	3.3 mA
Free wheel diode	No
Note	

Ordering data

12 V DC	Type	Screw (S) 1CO	PUSH IN (Z) 1CO	Screw (S) 2CO	Tension clamp (Z) 2CO
12 V DC positive switching (negative common)	RSM-4 12V+	1447400000	1447420000	1448610000	1448630000
12 V DC negative switching (positive common)	RSM-4 12V-	1447410000	1447430000	1448620000	1448640000
24 V DC					
24 V DC positive switching (negative common)	RSM-4 24V+	1447440000	1447470000	1448650000	1448680000
24 V DC negative switching (positive common)	RSM-4 24V-	1447450000	1447480000	1448670000	1448690000
24 V DC positive switching (negative common) with test button	RSM-4I 24V+	1447740000	1447750000	1448820000	1448830000
24 V DC positive switching (negative common) without relays	RSM-4 24V+ BASE	1457430000	1457440000		
24 V AC/DC					
24 V AC/DC	RSM-4 24VAC/DC	1447540000	1447550000	1448740000	1448770000
48 V DC					
48 V DC positive switching (negative common)	RSM-4 48V+	1447500000	1447520000	1448700000	1448720000
48 V DC negative switching (positive common)	RSM-4 48V-	1447510000	1447530000	1448710000	1448730000
115 V AC/DC					
115 VAC/DC	RSM-4 115VAC/DC	1447570000	1447580000	1448780000	1448790000
230 V AC					
230 V AC	RSM-4 230Vac	1447600000	1447610000	1448800000	1448810000
Note					

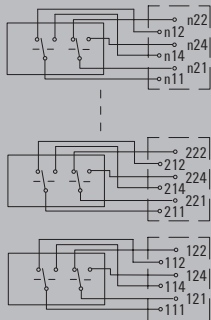


RSM-4 24 V AC/DC 1CO
RSM-4 115 V AC/DC 1CO



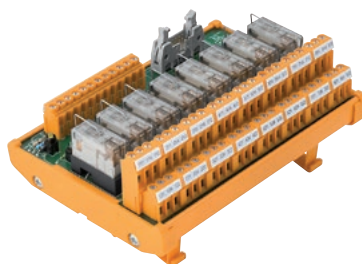
RSM-4 230 V AC 1CO

Note: Contact configuration for 2 changeover versions (2CO)



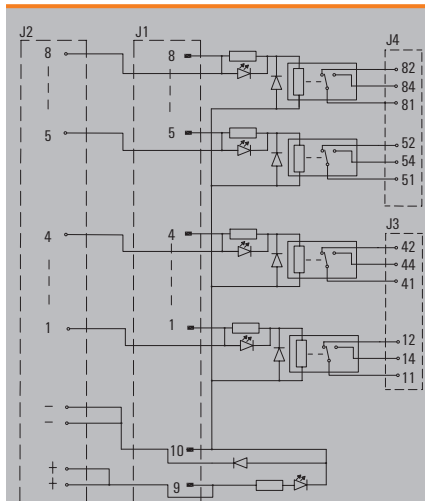
RSM multiple relay modules – Interfaces with 12,5 mm relays (RCL)

8 Relays – Screw/PUSH IN/Tension clamp

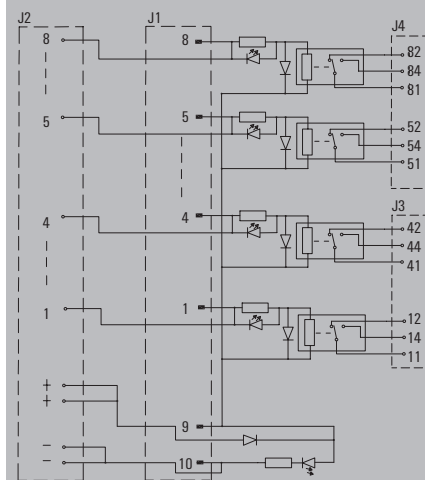


Technical data

Connection control side	Flat connector ¹⁾ 10 poles + Screw/ Tension clamp/PUSH IN
Connection field side (1CO)	Screw/PUSH IN
Connection field side (2CO)	Screw/Tension clamp
Length	130 mm (1CO) / 149 mm (2CO)
12 V DC	
Operating voltage	12 V DC ±10 %
Rated current (dc)	33 mA
Free wheel diode	Yes
24 V DC	
Operating voltage	24 V DC ±10 %
Rated current (dc)	16.7 mA
Free wheel diode	Yes
24 V AC/DC	
Operating voltage	24 V AC/DC ±10 %
Rated current (dc)	22.9 mA
Rated current (ac)	13.9 mA
Free wheel diode	No
48 V DC	
Operating voltage	48 V DC ±10 %
Rated current (dc)	8.7 mA
Free wheel diode	Yes
115 V AC/DC	
Operating voltage	115 V AC/DC ±10 %
Rated current (dc)	4.8 mA
Rated current (ac)	3.3 mA
Free wheel diode	No
230 V AC	
Operating voltage	230 V AC ±10 %
Rated current (ac)	3.3 mA
Free wheel diode	No
Note	1) Flat connector not mounted in 115 V AC/DC and 230 V AC



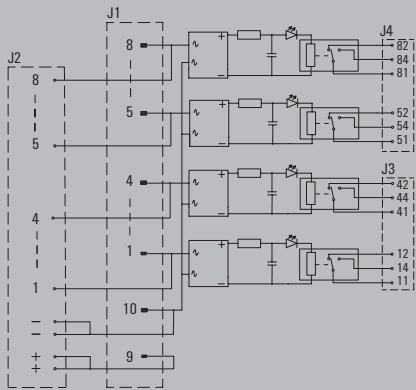
RSM-8 12 V+/24 V+/48 V+ 1CO
RSM-8I 24 V+
RSM-8 24 V+ BASE



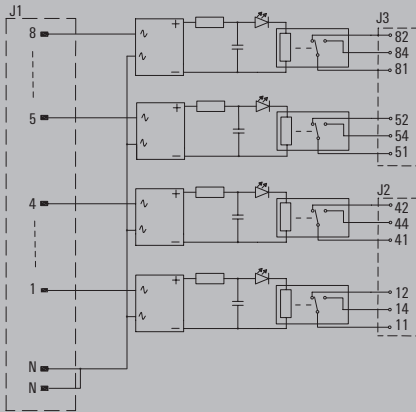
RSM-8 12 V-/24 V-/48 V- 1CO

Ordering data

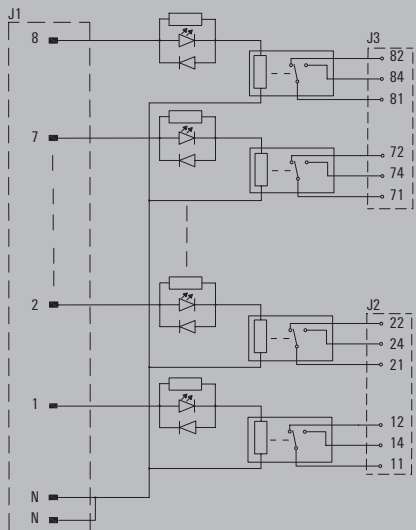
12 V DC	Type	Screw (S) 1CO	PUSH IN (Z) 1CO	Screw (S) 2CO	Tension clamp (Z) 2CO
12 V DC positive switching (negative common)	RSM-8 12V+	1447820000	1447840000	1448890000	1448910000
12 V DC negative switching (positive common)	RSM-8 12V-	1447830000	1447850000	1448900000	1448920000
24 V DC					
24 V DC positive switching (negative common)	RSM-8 24V+	1447870000	1447890000	1448930000	1448950000
24 V DC negative switching (positive common)	RSM-8 24V-	1447880000	1447900000	1448940000	1448970000
24 V DC positive switching (negative common) with test button	RSM-8I 24V+	1448140000	1448170000	1449100000	1449110000
24 V DC positive switching (negative common) without relays	RSM-8 24V+ BASE	1457370000	1457380000		
24 V AC/DC					
24 V AC/DC	RSM-8 24VAC/DC	1447950000	1447970000	1449030000	1449040000
48 V DC					
48 V DC positive switching (negative common)	RSM-8 48V+	1447910000	1447930000	1448980000	1449010000
48 V DC negative switching (positive common)	RSM-8 48V-	1447920000	1447940000	1448990000	1449020000
115 V AC/DC					
115 VAC/DC	RSM-8 115VAC/DC	1447980000	1447990000	1449050000	1449070000
230 V AC					
230 V AC	RSM-8 230Vac	1448000000	1448010000	1449080000	1449090000
Note					



RSM-8 24 V AC/DC 1CO

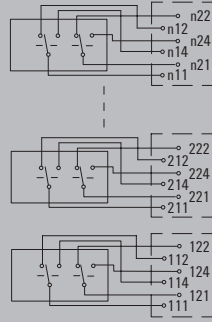


RSM-8 115 V AC/DC 1CO



RSM-8 230 V AC 1CO

Note: Contact configuration for 2 changeover versions (2CO)

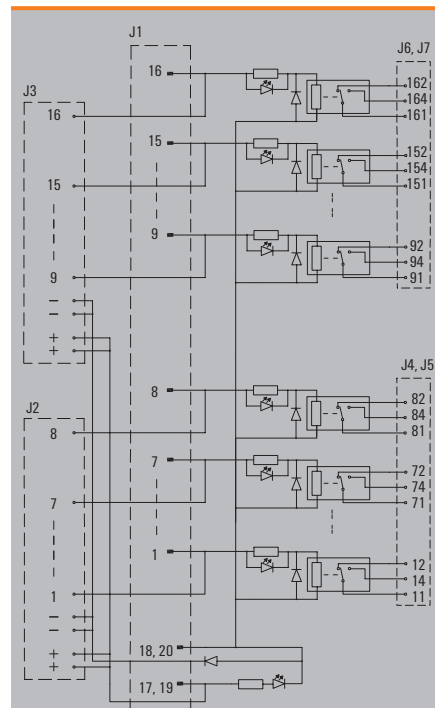


16 Relays - Screw/PUSH IN/Tension clamp



Technical data

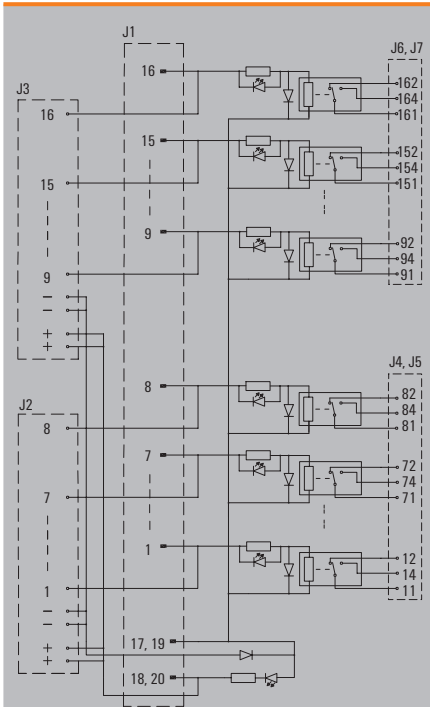
Connection control side	Flat connector ¹⁾ 20 poles + Screw/ Tension clamp/PUSH IN
Connection field side (1CO)	Screw/PUSH IN
Connection field side (2CO)	Screw/Tension clamp
Length	259 mm (1CO) / 290 mm (2CO)
12 V DC	
Operating voltage	12 V DC ±10 %
Rated current (dc)	33 mA
Free wheel diode	Yes
24 V DC	
Operating voltage	24 V DC ±10 %
Rated current (dc)	16.7 mA
Free wheel diode	Yes
24 V AC/DC	
Operating voltage	24 V AC/DC ±10 %
Rated current (dc)	22.9 mA
Rated current (ac)	13.9 mA
Free wheel diode	No
48 V DC	
Operating voltage	48 V DC ±10 %
Rated current (dc)	8.7 mA
Free wheel diode	Yes
115 V AC/DC	
Operating voltage	115 V AC/DC ±10 %
Rated current (dc)	4.8 mA
Rated current (ac)	3.3 mA
Free wheel diode	No
230 V AC	
Operating voltage	230 V AC ±10 %
Rated current (ac)	3.3 mA
Free wheel diode	No
Note	1) Flat connector not mounted in 115 V AC/DC and 230 V AC



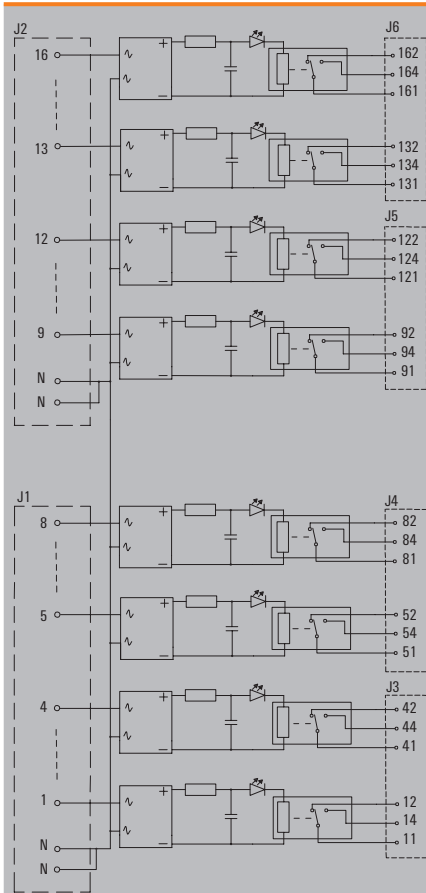
RSM-16 12 V+/24 V+/48 V+ 1CO
 RSM-16I 12 V+/24 V+/48 V+ 1CO
 RSM-16 24 V+ BASE

Ordering data

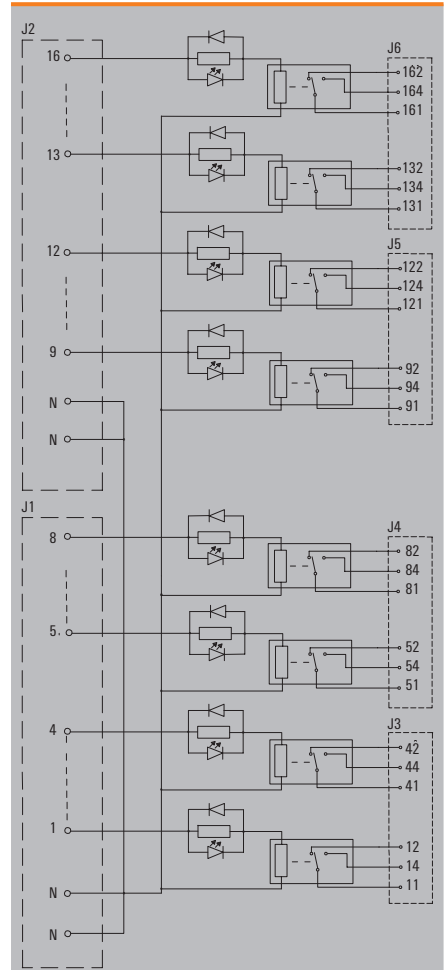
	Type	Screw (S)		Tension clamp (Z)	
		1CO	PUSH IN (Z) 1CO	2CO	2CO
12 V DC					
12 V DC positive switching (negative common)	RSM-16 12V+	1448230000	1448250000	1449170000	1449190000
12 V DC negative switching (positive common)	RSM-16 12V-	1448240000	1448270000	1449180000	1449200000
24 V DC					
24 V DC positive switching (negative common)	RSM-16 24V+	1448280000	1448300000	1449210000	1449230000
24 V DC negative switching (positive common)	RSM-16 24V-	1448290000	1448310000	1449220000	1449250000
24 V DC positive switching (negative common) with test button	RSM-16I 24V+	1448540000	1448550000	1449380000	1449390000
24 V DC positive switching (negative common) without relays	RSM-16 24V+ BASE	1448480000	1448490000		
24 V AC/DC					
24 V AC/DC	RSM-16 24VAC/DC	1448370000	1448380000	1449310000	1449320000
48 V DC					
48 V DC positive switching (negative common)	RSM-16 48V+	1448320000	1448340000	1449270000	1449290000
48 V DC negative switching (positive common)	RSM-16 48V-	1448330000	1448350000	1449280000	1449300000
115 V AC/DC					
115 VAC/DC	RSM-16 115VAC/DC	1448390000	1448400000	1449330000	1449340000
230 V AC					
230 V AC	RSM-16 230Vac	1448410000	1448420000	1449350000	1449370000



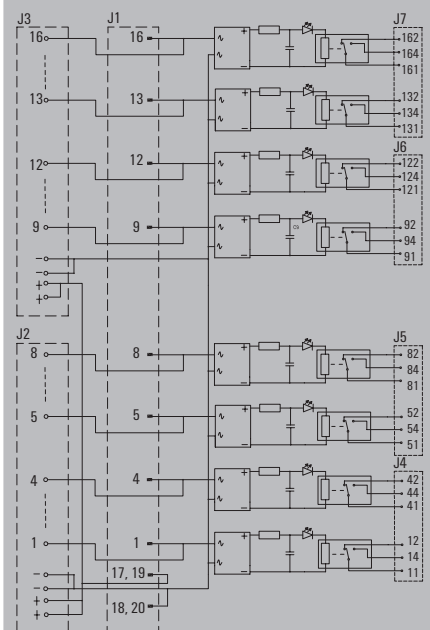
RSM-16 12 V-/24 V-/48 V- 1C0



RSM-16 115 V AC/DC 1C0

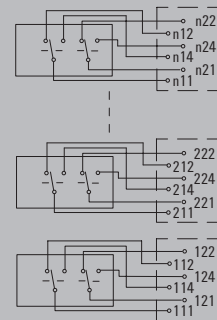


RSM-16 230 V AC 1C0



RSM-16 24 V AC/DC 1C0

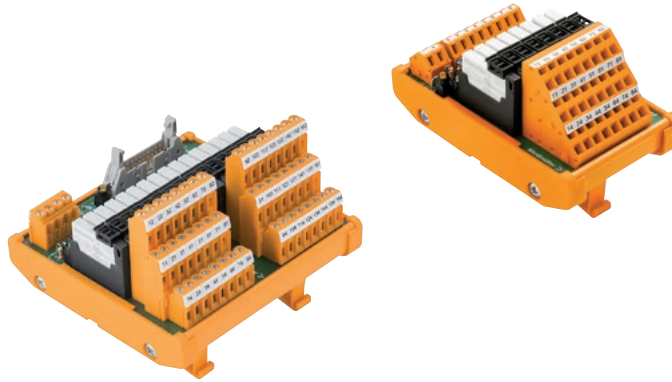
Note: Contact configuration for 2 changeover versions (2C0)



RSMS 1CO – Relay interface

1 changeover

- Interface from 8 to 16 electromechanical relays
- 1 changeover
- Positive or negative switching or ac/dc
- Flat-connector available to make easy the connection to PLC'S
- Compatible with solid-state relays
- With optional gold contact relay
- Screw and tension clamp



General technical data

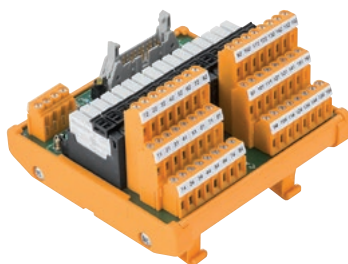
General features	
Relay	
LED status display per channel	
LED status of the supply voltage	
Nominal output data	
Contact material	
Operative voltage	
Max. AC continuous current	
Minimum contact current standard / Gold	
Minimum contact voltage standard / Gold	
Mechanical service life (dc coil)	
Operating temperature	
Storage temperature	
Insulation coordination (EN 50178)	
Rated input insulation voltage	
Rated output insulation voltage	
Overtoltage category input/output	
Overtoltage category output/input	
Pollution severity level	
Impulse voltage test (1.2/50µs)	
Insulation test voltage	
Clearance input/output	
Dimensions	
Clamping range, min. [Field]/ Clamping range, max. [Field]	
Clamping range, min. [supply]/Clamping range, max. [supply]	
Mounting rail	
Width / height	mm
Note	

RSS relay	
Green	
Yellow	
AgNi 90/10 / AgNi 5µAu	
250 V AC	
4.5 A	
100 mA / 1 mA	
5 V / 1 V	
5 x 10 ⁶ Switching cycles	
-25...+50 °C	
-40...+60 °C	
< 50 V AC	
250 V AC	
III	
II	
2	
6 kV	
1.2 kV AC	
≥ 5,5 mm	
Screw connection	Tension clamp
0.13 mm ² / 6 mm ²	0.13 mm ² / 2.5 mm ²
0.13 mm ² / 6 mm ²	0.2 mm ² / 2.5 mm ²
TS 32 / TS 35	TS 32 / TS 35
109 x 85	109 x 76
Electromechanical relays: 5 V DC: Spare Relay RSS113005 4061580000; 12 V DC: Spare relay RSS113012 4061610000; 24 V DC: Spare relay RSS113024 4060120000; 24 V AC/DC: Spare relay RSS113024 4060120000; 48 V DC: Spare relay RSS113048 4061620000; 24 V DC Gold contact: Spare relay RSS112024 4061590000 Solid-state relays: SSR 24 V DC/24 V DC 0.1 A 4061180000; SSR 24 V DC/24 V DC 2 A 4061190000; SSR 24 V DC/230 V AC 1 AC 4061210000.	



RSMS multiple relay modules – Interfaces with 6,1 mm relays (RCL)

8-16 Relays – Screw/Tension clamp connection

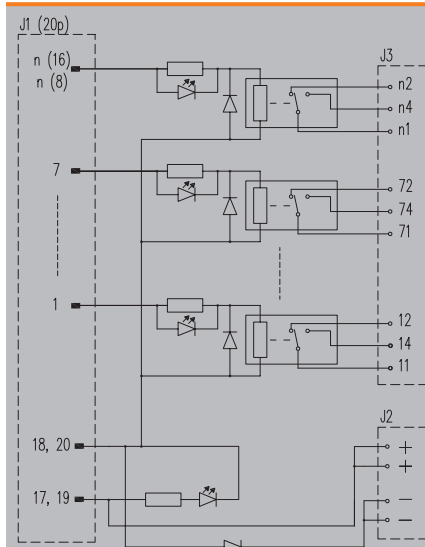


Technical data

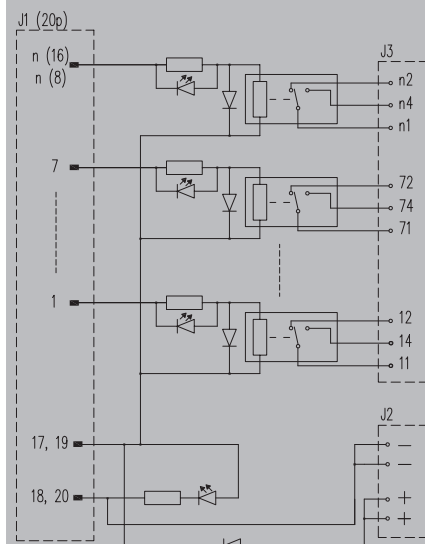
Connection control side	Flat connector 20 poles
Connection field side	Screw/Tension clamp
Length (RSM-8 / RSM-16)	61 / 112 mm
24 V DC	
Operating voltage	24 V DC ±10 %
Rated current (dc)	7.1 mA
Free wheel diode	Yes
Note	

Ordering data

24 V DC		Type	Screw (S)	Tension clamp (Z)
8 Relays	24 V DC positive switching (negative common) with flat connector	RSMS-8H 24V+ 1C0	1456540000	1456570000
	24 V DC negative switching (positive common) with flat connector	RSMS-8H 24V- 1C0	1456550000	1456580000
16 Relays	24 V DC positive switching (negative common) with flat connector	RSMS-16H 24V+ 1C0	1457300000	1457320000
	24 V DC negative switching (positive common) with flat connector	RSMS-16H 24V- 1C0	1457310000	1457330000
Note				

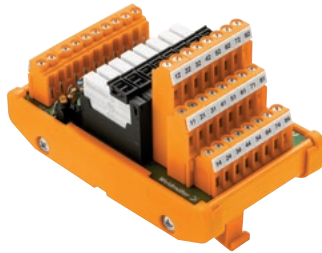


RSMS-8H 24 V+ 1C0
RSMS-16H 24 V+ 1C0



RSMS-8H 24 V- 1C0
RSMS-16H 24 V- 1C0

8-16 Relays – Screw/Tension clamp connection

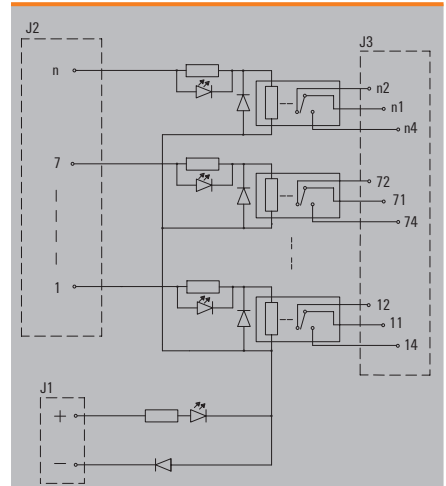


Technical data

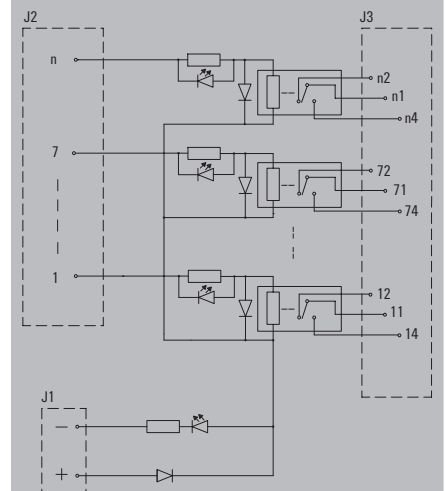
Connection control side	Screw/Tension clamp
Connection field side	Screw/Tension clamp
Length (8 relays) / Length (16 relays)	61 / 112 mm
12 V DC	
Operating voltage	12 V DC ±10 %
Rated current (dc)	14.2 mA
Free wheel diode	Yes
24 V DC	
Operating voltage	24 V DC ±10 %
Rated current (dc)	7.1 mA
Free wheel diode	Yes
24 V AC/DC	
Operating voltage	24 V AC/DC ±10 %
Rated current (dc)	6 mA
Rated current (ac)	15.6 mA
Free wheel diode	No
48 V DC	
Operating voltage	48 V DC ±10 %
Rated current (dc)	4.5 mA
Free wheel diode	Yes
Note	

Ordering data

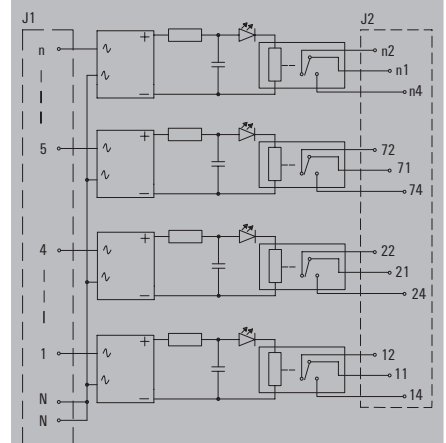
		Type	Screw (S)	Tension clamp (Z)	
12 V DC	8 Relays	12 V DC positive switching (negative common)	RSMS-8 12V+ 1CO	1456590000	1456690000
		12 V DC negative switching (positive common)	RSMS-8 12V- 1CO	1456640000	1456730000
	16 Relays	12 V DC positive switching (negative common)	RSMS-16 12V+ 1CO		1457040000
		12 V DC negative switching (positive common)	RSMS-16 12V- 1CO	1457000000	1457090000
24 V DC	8 Relays	24 V DC positive switching (negative common)	RSMS-8 24V+ 1CO	1456610000	1456700000
		24 V DC negative switching (positive common)	RSMS-8 24V- 1CO	1456650000	1456740000
	16 Relays	24 V DC positive switching (negative common) without relays	RSMS-8 24V+ BASE	1456810000	
		24 V DC positive switching (negative common)	RSMS-16 24V+ 1CO	1456970000	1457050000
	16 Relays	24 V DC negative switching (positive common)	RSMS-16 24V- 1CO	1457010000	1457100000
		24 V DC positive switching (negative common) without relays	RSMS-16 24V+ BASE	1457170000	1457180000
24 V AC/DC	8 Relays	24 V AC/DC	RSMS-8 24VAC/DC 1CO	1456830000	
		24 V AC/DC with Gold contact	RSMS-8 24VUC AU 1CO	1456840000	
	16 Relays	24 V AC/DC	RSMS-16 24VAC/DC 1CO	1457190000	1457210000
		24 V AC/DC with Gold contact	RSMS-16 24VUC AU 1CO	1457200000	1457220000
48 V DC	8 Relays	48 V DC positive switching (negative common)	RSMS-8 48V+ 1CO	1456620000	1456710000
		48 V DC negative switching (positive common)	RSMS-8 48V- 1CO	1456670000	1456750000
	16 Relays	48 V DC positive switching (negative common)	RSMS-16 48V+ 1CO	1456980000	1457070000
		48 V DC negative switching (positive common)	RSMS-16 48V- 1CO	1457020000	1457110000
Note					



RSMS-8 12 V+/24 V+/48 V+ 1CO
 RSMS-16 12 V+/24 V+/48 V+ 1CO
 RSMS-8 24 V+ BASE
 RSMS-16 24 V+ BASE



RSMS-8 12 V-/24 V-/48 V- 1CO
 RSMS-16 12 V-/24 V-/48 V- 1CO



RSMS-8 24 V AC/DC 1CO
 RSMS-16 24 V AC/DC 1CO

Faster signal wiring taking up less space

Our interface adapters for TERMSERIES relays reduce wiring times thanks to plug-and-play

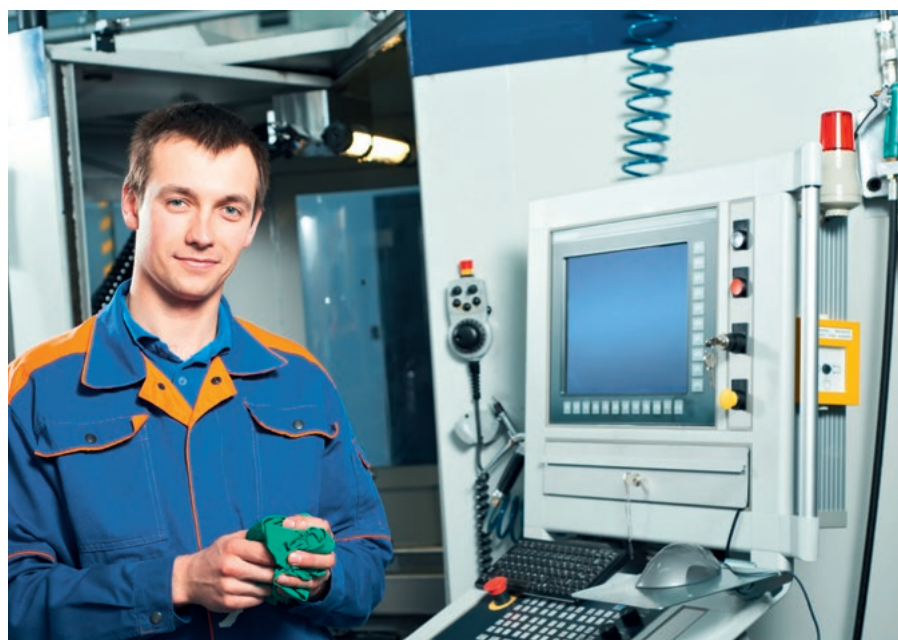
Extensive wiring complexity leads to high throughput times in electrical cabinets. Thanks to our TERMSERIES interface adapter, you benefit from the speed of our plug-and-play solution. Let's connect.

To reduce wiring times, pre-assembled lines are used between the controller and interface level and are simply connected to the TERMSERIES adapter. This enables electrical cabinet throughput times to be significantly reduced.

E

Our pre-assembled plug-and-play solution with TERMSERIES interface adapter minimises wiring complexity. The adapter has a universal fit and offers a genuine space advantage in conjunction with TERMSERIES products with identical contours.

Thanks to its symmetrical structure, the adapter can be connected to both TERMSERIES coil and contact connections. The use of positive and negative switching logic is also possible for the lower level with the aid of the potential changeover switch.



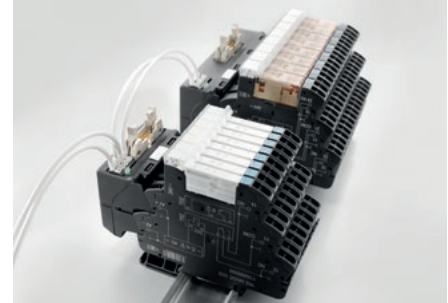
Configure wiring-intensive cabinets faster

Wiring complexity is especially high for electrical cabinets builders of standardised series cabinets in the field of machine construction and plant manufacture, process control technology and in shipbuilding. The wiring and throughput times of your machines can be reduced with the use of TERMSERIES interface adapters.

Connection to a variety of controllers
 The standardised ribbon cable plug-in connections enable connection of all the interface system's pre-assembled cable types.

Fast supply and bridging of the auxiliary voltage
 Quick and safe supply of the auxiliary voltage as a result of the TOP connection with "PUSH IN" technology. Simple bridging is also possible thanks to duplication of the connections.

Reliable and unambiguous wiring
 Installation is unambiguous and safe thanks to practical marking of the connections, assignment of the contacts and the option of individual marking using MultiCard.



Both types of logic with one device
 The potential switch for the lower level allows the adapter for plus and minus switching logic to be used.

Connection with our remote I/O system u-remote
 Use our perfectly matched cable harness for connecting our u-remote DI/DO sub assemblies and TERMSERIES relays.



PLC interface selection tables

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

Choose the PLC Card:

In the same row you can find the number of cable required, the TERMSERIES adapter and the TERMSERIES relays to make the connection with the selected PLC Card.

3 options are possible:

- 8 channels with TERMSERIES 6.4 mm
- 8 channels with TERMSERIES 12.8 mm
- 16 channels with TERMSERIES 6.4 mm

Note: Technical information about TERMSERIES Adapter and relays can be found in Weimüller Catalogue 4.2 Relays and solid-state relays

PLC ABB S800

8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	DI810	16 DI ^{B)}	1512410xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	DI814	16 DI ^{A)}	1512410xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	DI830	16 DI ^{B)}	1512410xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
								1123120000				1123850000		
	DI840	16 DI ^{B)}	1512410xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
								1123120000				1123850000		
	DI880	16 DI ^{B)}	1512410xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
								1123120000				1123850000		
DO	DO810	16 DO ^{A)}	1512410xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
									1122880000				1123610000	
	DO814	16 DO ^{B)}	1512410xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16
									1122890000				1123620000	
	DO815	8 DO ^{A)}	1512390xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
								1122880000				1123610000		
	DO840	16 DO ^{A)}	1512410xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
								1122880000				1123610000		
	DO880	16 DO ^{A)}	1512410xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
								1122880000				1123610000		

Note A) The TERMSERIES adapter switch, should be positioned on the "++" side.
 B) The TERMSERIES adapter switch, should be positioned on the "++" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC ABB S800

16-channel solution









	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	DI810	16 DI ^{B)}	7789641xxx	1			1463550000	1	1123000000	16
									1123120000	
	DI814	16 DI ^{A)}	7789641xxx	1			1463550000	1	1123000000	16
									1123120000	
	DI830	16 DI ^{B)}	7789641xxx	1			1463550000	1	1123000000	16
								1123120000		
	DI840	16 DI ^{B)}	7789641xxx	1			1463550000	1	1123000000	16
								1123120000		
	DI880	16 DI ^{B)}	7789641xxx	1			1463550000	1	1123000000	16
								1123120000		
DO	DO810	16 DO ^{A)}	7789641xxx	1			1463550000	1	1122770000	16
									1122880000	
	DO814	16 DO ^{B)}	7789641xxx	1			1463550000	1	1122780000	16
									1122890000	
	DO840	16 DO ^{A)}	7789641xxx	1			1463550000	1	1122770000	16
								1122880000		
	DO880	16 DO ^{A)}	7789641xxx	1			1463550000	1	1122770000	16
								1122880000		

Note A) The TERMSERIES adapter switch, should be positioned on the "++" side.
 B) The TERMSERIES adapter switch, should be positioned on the "++" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC EMERSON DELTA V

8-channel solution









	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	VE4001S2T2B4	32 DI ^{A)}	1349730xxx	4			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000					
DI	VE4001S2T2B5	32 DI ^{A)}	1512370xxx	2			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000					
DO	VE4002S1T2B5	32 DO ^{A)}	134973xxx	4			1463520000	4	1122770000	32	1463540000	4	1123490000	32
									1122880000					
	VE4002S1T2B6	32 DO ^{A)}	1512370xxx	2			1463520000	4	1122770000	32	1463540000	4	1123490000	32
									1122880000					

Note
A) The TERMSERIES adapter switch, should be positioned on the "A" side.
B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC EMERSON DELTA V

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	VE4001S2T2B4	32 DI ^{A)}	7789100xxx	2			1463550000	2	1123000000	32
									1123120000	
DI	VE4001S2T2B5	32 DI ^{A)}	7789301xxx	2			1463550000	2	1123000000	32
									1123120000	
DO	VE4002S1T2B5	32 DO ^{A)}	7789100xxx	2			1463550000	2	1122770000	32
									1122880000	
	VE4002S1T2B6	32 DO ^{A)}	7789301xxx	2			1463550000	2	1122770000	32
									1122880000	

Note
A) The TERMSERIES adapter switch, should be positioned on the "A" side.
B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC GE FANUC RX3I

8-channel solution































	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)		TERMSERIES adapter (Relay 12.8 mm)					
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	IC694MDL241	16 DI, DC positive logic ^{B)}	2680860xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
		1123120000	1123850000	16	1463540000	2	1123730000	16						
	IC694MDL634	16 DI, DC negative logic ^{A)}	2680870xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
		1123120000	1123850000	16	1463540000	2	1123730000	16						
	IC694MDL634	8 DI, positive logic ^{B)}	2680890xxx	1			1463520000	1	1123000000	8	1463540000	1	1123730000	8
		1123120000	1123850000	8	1463540000	1	1123730000	8						
	IC694MDL645	8 DI, negative logic ^{A)}	2680900xxx	1			1463520000	1	1123000000	8	1463540000	1	1123730000	8
		1123120000	1123850000	8	1463540000	1	1123730000	8						
	IC694MDL645	16 DI, positive logic ^{B)}	2680860xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
		1123120000	1123850000	16	1463540000	2	1123730000	16						
	IC694MDL646	16 DI, negative logic ^{A)}	2680870xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
		1123120000	1123850000	16	1463540000	2	1123730000	16						
IC694MDL646	16 DI, positive logic ^{B)}	2680860xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
	1123120000	1123850000	16	1463540000	2	1123730000	16							
IC694MDL655	16 DI, negative logic ^{A)}	2680870xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
	1123120000	1123850000	16	1463540000	2	1123730000	16							
IC694MDL655	32 DI, positive logic ^{B)}	1511540xxx	2			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	1123120000	1123850000	32	1463540000	4	1123730000	32							
IC694MDL660	32 DI, negative logic ^{A)}	1511570xxx	2			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	1123120000	1123850000	32	1463540000	4	1123730000	32							
IC694MDL660	32 DI, positive logic ^{B)}	1511840xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	1123120000	1123850000	32	1463540000	4	1123730000	32							
DO	IC694MDL732	8 DO, 24 V DC ^{A)}	2680910xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
		1122880000	1123610000	8	1463540000	1	1123490000	8						
	IC694MDL740	16 DO, 24 V DC ^{A)}	2680880xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
		1122880000	1123610000	16	1463540000	2	1123490000	16						
	IC694MDL741	16 DO, 24 V DC ^{B)}	2680880xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16
		1122890000	1123620000	16	1463540000	2	1123490000	16						
	IC694MDL742	16 DO, 24 V DC ^{A)}	2680880xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
		1122880000	1123610000	16	1463540000	2	1123490000	16						
IC694MDL752	32 DO, 24 V DC ^{B)}	1511620xxx	2			1463520000	4	1122780000	32	1463540000	4	1123500000	32	
	1122890000	1123620000	32	1463540000	4	1123490000	32							
IC694MDL753	32 DO, 24 V DC ^{A)}	1511620xxx	2			1463520000	4	1122770000	32	1463540000	4	1123490000	32	
	1122880000	1123610000	32	1463540000	4	1123490000	32							
IC694MDL754	32 DO, 24 V DC ^{A)}	1512670xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32	
	1122880000	1123610000	32	1463540000	4	1123490000	32							

Note
 A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC GE FANUC RX3I

16-channel solution













	PLC		Cables		Connection		TERMSERIES adapter				
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		
							Order No.	Qty.	Order No.	Qty.	
DI	IC694MDL241	16 DI, DC positive logic ^{B)}	2680630xxx	1			1463550000	1	1123000000	16	
		16 DI, DC negative logic ^{A)}	2680680xxx	1			1463550000	1	1123000000	16	
	IC694MDL645	16 DI, positive logic ^{B)}	2680630xxx	1			1463550000	1	1123000000	16	
		16 DI, negative logic ^{A)}	2680680xxx	1			1463550000	1	1123000000	16	
	IC694MDL646	16 DI, positive logic ^{B)}	2680630xxx	1			1463550000	1	1123000000	16	
		16 DI, negative logic ^{A)}	2680680xxx	1			1463550000	1	1123000000	16	
	IC694MDL655	32 DI, positive logic ^{B)}	7789066xxx	2			1463550000	2	1123000000	32	
		32 DI, negative logic ^{A)}	2680680xxx	2			1463550000	2	1123000000	32	
	IC694MDL660	32 DI, positive logic ^{B)}	7789619xxx	1			1463550000	2	1123000000	32	
	DO	IC694MDL740	16 DO, 24 V DC ^{A)}	2680640xxx	1			1463550000	1	1122770000	16
		IC694MDL741	16 DO, 24 V DC ^{B)}	2680640xxx	1			1463550000	1	1122880000	16
		IC694MDL742	16 DO, 24 V DC ^{A)}	2680640xxx	1			1463550000	1	1122770000	16
IC694MDL752		32 DO, 24 V DC ^{B)}	7789066xxx	1			1463550000	2	1122880000	32	
IC694MDL753		32 DO, 24 V DC ^{A)}	7789066xxx	1			1463550000	2	1122770000	32	
IC694MDL754		32 DO, 24 V DC ^{A)}	7789618xxx	1			1463550000	2	1122880000	32	

Note A) The TERMSERIES adapter switch, should be positioned on the "N" side.
 B) The TERMSERIES adapter switch, should be positioned on the "N+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC HONEYWELL C200

8-channel solution













	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	TC-IDX161/ TK-IDX161	16 DI ^{B)}	1511990xxx	1			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
	TC-IDJ161/ TK-IDJ161	16 DI ^{B)}	1511990xxx	1			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
	TC-IDD321/ TK-IDD321	32 DI ^{B)}	1512010xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
DO	TC-ODX161/ TK-ODX161	16 DO ^{A)}	1512030xxx	1			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
	TC-ODJ161/ TK-ODJ161	16 DO ^{A)}	1512070xxx	1			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
	TC-ODD321/ TK-ODD321	32 DO ^{A)}	1512020xxx	1			1463520000	4	1122770000 1122880000	32	1463540000	4	1123490000 1123610000	32

Note A) The TERMSERIES adapter switch, should be positioned on the "+" side.
 B) The TERMSERIES adapter switch, should be positioned on the "+" side.

- The adapters should receive power from an external supply
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC HONEYWELL C200

16-channel solution









	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	TC-IDX161/ TK-IDX161	16 DI ^{B)}	7789049xxx	1			1463550000	1	1123000000 1123120000	16
	TC-IDJ161/ TK-IDJ161	16 DI ^{B)}	7789049xxx	1			1463550000	1	1123000000 1123120000	16
	TC-IDD321/ TK-IDD321	32 DI ^{B)}	7789041xxx	1			1463550000	2	1123000000 1123120000	32
DO	TC-ODX161/ TK-ODX161	16 DO ^{A)}	7789040xxx	1			1463550000	1	1122770000 1122880000	16
	TC-ODJ161/ TK-ODJ161	16 DO ^{A)}	7789059xxx	1			1463550000	1	1122770000 1122880000	16
	TC-ODD321/ TK-ODD321	32 DO ^{A)}	7789042xxx	1			1463550000	2	1122770000 1122880000	32

Note A) The TERMSERIES adapter switch, should be positioned on the "+" side.
 B) The TERMSERIES adapter switch, should be positioned on the "+" side.

- The adapters should receive power from an external supply
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC HONEYWELL C300

8-channel solution









	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.			TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	CC-TDIL01	32 DI, 24 Vdc ^{B)}	2065090xxx	2			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000					
DO	CC-TDIL11	32 DI, 24 Vdc ^{B)}	2065090xxx	2			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000					
DO	CC-TDOB01	32 DO, 24 Vdc ^{A)}	2065080xxx	2			1463520000	4	1122770000	32	1463540000	4	1123490000	32
									1122880000					
	CC-TDOB11	32 DO, 24 Vdc ^{A)}	2065080xxx	2			1463520000	4	1122780000	32	1463540000	4	1123490000	32
								1122890000					1123610000	

Note
A) The TERMSERIES adapter switch, should be positioned on the "+" side.
B) The TERMSERIES adapter switch, should be positioned on the "+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. 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 DC.
- The TIAL has a LED for supply indication. The LED is not relevant in this application for the operation.

PLC HONEYWELL C300

16-channel solution









	PLC		Cables		Connection		TERMSERIES adapter					
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)					
	Manufacturer code	Number/ Type of channels	Order No.	Qty.			TERMSERIES adapter		Inputs or outputs with relays			
							Order No.	Qty.	Order No.	Qty.		
DI	CC-TDIL01	32 DI, 24 Vdc ^{B)}	2421450xxx	2			1463550000	2	1123000000	32	1123120000	32
									1123000000			
DO	CC-TDIL11	32 DI, 24 Vdc ^{B)}	2421450xxx	2			1463550000	2	1123000000	32	1123120000	32
									1122770000			
DO	CC-TDOB01	32 DO, 24 Vdc ^{A)}	2421440xxx	2			1463550000	2	1122770000	32	1122880000	32
									1122780000			
	CC-TDOB11	32 DO, 24 Vdc ^{A)}	2421440xxx	2			1463550000	2	1122780000	32	1122890000	32
								1122890000				

Note
A) The TERMSERIES adapter switch, should be positioned on the "+" side.
B) The TERMSERIES adapter switch, should be positioned on the "+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. 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 DC.
- The TIAL has a LED for supply indication. The LED is not relevant in this application for the operation.

PLC HONEYWELL C300

8-channel solution (Sub-d connector)

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	CC-TDIL01	32 DI, 24 Vdc ^{B)}	2065110xxx	2			1463530000	4	1123000000	32
	CC-TDIL11	32 DI, 24 Vdc ^{B)}	2065110xxx	2			1463530000	4	1123000000 1123120000	
DO	CC-TDOB01	32 DO, 24 Vdc ^{A)}	2065100xxx	2			1463530000	4	1122770000	32
	CC-TDOB11	32 DO, 24 Vdc ^{A)}	2065100xxx	2			1463530000	4	1122780000 1122890000	
Note		A) The TERMSERIES adapter switch, should be positioned on the "N" side. B) The TERMSERIES adapter switch, should be positioned on the "L" side.								

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. 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 DC.
- The TIAL has a LED for supply indication. The LED is not relevant in this application for the operation.

PLC MITSUBISHI MELSEC Q

8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)		TERMSERIES adapter (Relay 12.8 mm)					
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	QX40	16 DI ^{A)}	1349730xxx	2			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
	QX40-S1	16 DI ^{A)}	1349730xxx	2			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
	QX41	32 DI ^{A)}	1512290xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
	QX41-S1	32 DI ^{A)}	1512290xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
	QX42	64 DI ^{A)}	1512290xxx	2			1463520000	8	1123000000 1123120000	64	1463540000	8	1123730000 1123850000	64
	QX42-S1	64 DI ^{A)}	1512290xxx	2			1463520000	8	1123000000 1123120000	64	1463540000	8	1123730000 1123850000	64
	QX80	16 DI ^{B)}	1349730xxx	2			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
	QX81	32 DI ^{B)}	1512320xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
	QX82	64 DI ^{B)}	1512330xxx	2			1463520000	8	1123000000 1123120000	64	1463540000	8	1123730000 1123850000	64
	QX82-S1	64 DI ^{B)}	1512330xxx	2			1463520000	8	1123000000 1123120000	64	1463540000	8	1123730000 1123850000	64
DO	QY40P	16 DO ^{B)}	1349730xxx	2			1463520000	2	1122780000 1122890000	16	1463540000	2	1123500000 1123620000	16
	QY41P	32 DO ^{B)}	1512310xxx	1			1463520000	4	1122780000 1122890000	32	1463540000	4	1123500000 1123620000	32
	QY42P	64 DO ^{B)}	1512310xxx	2			1463520000	8	1122780000 1122890000	64	1463540000	8	1123500000 1123620000	64
	QY50	16 DO ^{B)}	1349730xxx	2			1463520000	2	1122780000 1122890000	16	1463540000	2	1123500000 1123620000	16
	QY80	16 DO ^{A)}	1349730xxx	2			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
DI/DO	QH42P	32 DI ^{A)}	1512290xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
		32 DO ^{B)}	1512310xxx	1			1463520000	4	1122780000 1122890000	32	1463540000	4	1123500000 1123620000	32
	QX41Y41P	32 DI ^{A)}	1512290xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
		32 DO ^{B)}	1512290xxx	1			1463520000	4	1122780000 1122890000	32	1463540000	4	1123500000 1123620000	32

Note A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.
- The use of cables longer than 20 m is not recommended for this application.

PLC MITSUBISHI MELSEC Q

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	QX40	16 DI ^{A)}	7789100xxx	1			1463550000	1	1123000000	16
	QX40-S1	16 DI ^{A)}	7789100xxx	1			1463550000	1	1123000000	16
	QX41	32 DI ^{A)}	7789681xxx	2			1463550000	2	1123000000	32
	QX41-S1	32 DI ^{A)}	7789681xxx	2			1463550000	2	1123000000	32
	QX42	64 DI ^{A)}	7789681xxx	4			1463550000	4	1123000000	64
	QX42-S1	64 DI ^{A)}	7789681xxx	4			1463550000	4	1123000000	64
	QX80	16 DI ^{B)}	7789100xxx	1			1463550000	1	1123000000	16
	QX81	32 DI ^{B)}	1512340xxx	1			1463550000	2	1123000000	32
	QX82	64 DI ^{B)}	7789683xxx	4			1463550000	4	1123000000	64
	QX82-S1	64 DI ^{B)}	7789683xxx	4			1463550000	4	1123000000	64
DO	QY40P	16 DO ^{B)}	7789100xxx	1			1463550000	1	1122780000	16
	QY41P	32 DO ^{B)}	7789708xxx	2			1463550000	2	1122780000	32
	QY42P	64 DO ^{B)}	7789708xxx	4			1463550000	4	1122780000	64
	QY50	16 DO ^{B)}	7789100xxx	2			1463550000	1	1122780000	16
	QY80	16 DO ^{A)}	7789100xxx	2			1463550000	1	1122770000	16
DI/DO	QH42P	32 DI ^{A)}	7789681xxx	2			1463550000	2	1123000000	32
		32 DO ^{B)}	7789708xxx	2			1463550000	2	1122780000	32
	QX41Y41P	32 DI ^{A)}	7789681xxx	2			1463550000	2	1123000000	32
		32 DO ^{B)}	7789708xxx	2			1463550000	2	1122780000	32

Note
 A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.
- The use of cables longer than 20 m is not recommended for this application.

PLC OMRON CJ1W

8-channel solution































	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter				
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)		TERMSERIES adapter (Relay 12.8 mm)						
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays		
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	
DI	ID211	16 DI, positive logic ^{B)}	1511070xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
		16 DI, negative logic ^{A)}	1511090xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
	ID212	16 DI, positive logic ^{B)}	1511070xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
		16 DI, negative logic ^{A)}	1511090xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
	ID231	32 DI, positive logic ^{B)}	1511270xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
		32 DI, negative logic ^{A)}	1511290xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	ID232	32 DI, positive logic ^{B)}	1511320xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
		32 DI, negative logic ^{A)}	1511330xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	ID233	32 DI, positive logic ^{B)}	1511320xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
		32 DI, negative logic ^{A)}	1511330xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	ID261	64 DI, positive logic ^{B)}	1511270xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64	
		64 DI, negative logic ^{A)}	1511290xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64	
	ID262	64 DI, positive logic ^{B)}	1511320xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64	
		64 DI, negative logic ^{A)}	1511330xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64	
	DO	OD201	8 DO ^{B)}	1511390xxx	1			1463520000	1	1122780000	8	1463540000	1	1123500000	8
		OD202	8 DO ^{A)}	1511390xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
OD203		8 DO ^{B)}	1511420xxx	1			1463520000	1	1122780000	8	1463540000	1	1123500000	8	
OD204		8 DO ^{A)}	1511420xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8	
OD211		16 DO ^{B)}	1511120xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16	
OD212		16 DO ^{A)}	1511120xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16	
OD213		16 DO ^{B)}	1511120xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16	
OD231		32 DO ^{B)}	1511340xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32	
OD232		32 DO ^{A)}	1511370xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32	
OD233		32 DO ^{B)}	1511370xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32	
OD234		32 DO ^{B)}	1511370xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32	
OD261		64 DO ^{B)}	1511340xxx	2			1463520000	8	1122780000	64	1463540000	8	1123500000	64	
OD262		64 DO ^{A)}	1511370xxx	2			1463520000	8	1122770000	64	1463540000	8	1123490000	64	
OD263		64 DO ^{B)}	1511370xxx	2			1463520000	8	1122780000	64	1463540000	8	1123500000	64	

Note
A) The TERMSERIES adapter switch, should be positioned on the "−" side.
B) The TERMSERIES adapter switch, should be positioned on the "+ " side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC OMRON CJ1W

8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI/DO	MD231	16 DI, positive logic ^{B)}	1511130xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
								1123120000				1123850000		
		16 DI, negative logic ^{A)}	1511140xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
		16 DO ^{B)}	1511170xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16
									1122890000				1123620000	
	MD232	16 DI, positive logic ^{B)}	1511190xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
		16 DI, negative logic ^{A)}	1511220xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
		16 DO ^{A)}	1511240xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
									1122880000				1123610000	
	MD233	16 DI, positive logic ^{B)}	1511190xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
		16 DI, negative logic ^{A)}	1511220xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
		16 DO ^{B)}	1511230xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16
									1122890000				1123620000	
	MD261	32 DI, positive logic ^{B)}	1511270xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000				1123850000	
		32 DI, negative logic ^{A)}	1511290xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000				1123850000	
		32 DO ^{B)}	1511340xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32
									1122890000				1123620000	
MD263	32 DI, positive logic ^{B)}	1511320xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
								1123120000				1123850000		
	32 DI, negative logic ^{A)}	1511330xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
								1123120000				1123850000		
	32 DO ^{B)}	1511370xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32	
								1122890000				1123620000		

Note A) The TERMSERIES adapter switch, should be positioned on the "L" side.
 B) The TERMSERIES adapter switch, should be positioned on the "N+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.



PLC OMRON CJ1W

16-channel solution































	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard		Screw connection	Tension-clamp connection	TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.			TERMSERIES adapter		Inputs or outputs with relays	
					Order No.	Qty.	Order No.	Qty.		
DI	ID211	16 DI, positive logic ^{B)}	7789645xxx	1			1463550000	1	1123000000	16
		16 DI, negative logic ^{A)}	7789833xxx	1			1463550000	1	1123000000	16
	ID212	16 DI, positive logic ^{B)}	7789645xxx	1			1463550000	1	1123000000	16
		16 DI, negative logic ^{A)}	7789833xxx	1			1463550000	1	1123000000	16
	ID231	32 DI, positive logic ^{B)}	7789771xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	7789768xxx	1			1463550000	2	1123000000	32
	ID232	32 DI, positive logic ^{B)}	7789772xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	7789767xxx	1			1463550000	2	1123000000	32
	ID233	32 DI, positive logic ^{B)}	7789772xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	7789767xxx	1			1463550000	2	1123000000	32
	ID261	64 DI, positive logic ^{B)}	7789771xxx	2			1463550000	4	1123000000	64
		64 DI, negative logic ^{A)}	7789768xxx	2			1463550000	4	1123000000	64
ID262	64 DI, positive logic ^{B)}	7789772xxx	2			1463550000	4	1123000000	64	
	64 DI, negative logic ^{A)}	7789767xxx	2			1463550000	4	1123000000	64	
DO	OD211	16 DO ^{B)}	7789794xxx	1			1463550000	1	1122780000	16
	OD212	16 DO ^{A)}	7789794xxx	1			1463550000	1	1122770000	16
									1122880000	
	OD213	16 DO ^{B)}	7789794xxx	1			1463550000	1	1122780000	16
	OD231	32 DO ^{B)}	7789793xxx	1			1463550000	2	1122780000	32
									1122890000	
	OD232	32 DO ^{A)}	7789373xxx	1			1463550000	2	1122770000	32
	OD233	32 DO ^{B)}	7789373xxx	1			1463550000	2	1122880000	32
									1122780000	
	OD234	32 DO ^{B)}	7789373xxx	1			1463550000	2	1122780000	32
OD261	64 DO ^{B)}	7789793xxx	2			1463550000	4	1122890000	64	
								1122780000		
OD262	64 DO ^{A)}	7789373xxx	1			1463550000	4	1122770000	64	
								1122880000		
OD263	64 DO ^{B)}	7789373xxx	1			1463550000	4	1122780000	64	
								1122890000		

Note
 A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC OMRON CJ1W

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI/DO	MD231	16 DI, positive logic ^{B)}	1511430xxx	1			1463550000	1	1123000000	16
		16 DI, negative logic ^{A)}	1511440xxx	1			1463550000	1	1123000000	16
		16 DO ^{B)}	1511470xxx	1			1463550000	1	1122780000	16
	MD232	16 DI, positive logic ^{B)}	7789328xxx	1			1463550000	1	1123000000	16
		16 DI, negative logic ^{A)}	7789329xxx	1			1463550000	1	1123000000	16
		16 DO ^{A)}	7789329xxx	1			1463550000	1	1122770000	16
	MD233	16 DI, positive logic ^{B)}	7789328xxx	1			1463550000	1	1123000000	16
		16 DI, negative logic ^{A)}	7789329xxx	1			1463550000	1	1123000000	16
		16 DO ^{B)}	7789329xxx	1			1463550000	1	1122780000	16
	MD261	32 DI, positive logic ^{B)}	7789771xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	7789768xxx	1			1463550000	2	1123000000	32
		32 DO ^{B)}	7789793xxx	1			1463550000	2	1122780000	32
	MD263	32 DI, positive logic ^{B)}	7789772xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	7789767xxx	1			1463550000	2	1123000000	32
		32 DO ^{B)}	7789373xxx	1			1463550000	2	1122780000	32





























Note A) The TERMSERIES adapter switch, should be positioned on the "L" side.
 B) The TERMSERIES adapter switch, should be positioned on the "N+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.



PLC ROCKWELL COMPACT LOGIX

8-channel solution





























	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter				
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)				
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays		
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	
DI	1769-IQ16	16 DI, positive logic ^{B)}	1511730xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
		16 DI, negative logic ^{A)}	1511740xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
	1769-IQ16F	16 DI, positive logic ^{B)}	1511730xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
		16 DI, negative logic ^{A)}	1511740xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
	1769-IQ32	32 DI, positive logic ^{B)}	1511730xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
		32 DI, negative logic ^{A)}	1511790xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	1769-IQ32T	32 DI, positive logic ^{B)}	1511890xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
		32 DI, negative logic ^{A)}	1511910xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
	DO	1769-OB8	8 DO ^{A)}	1511930xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
		1769-OB16	16 DO ^{A)}	1511830xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
										1122880000	16			1123610000	16
		1769-OB16P	16 DO ^{A)}	1511830xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
1122880000										16	1123610000			16	
1769-OB32		32 DO ^{A)}	1511830xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32	
	1122880000								32	1123610000			32		
1769-OB32T	32 DO ^{A)}	1511920xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32		
1769-OV16	16 DO ^{B)}	1511830xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32		
								1122890000	32			1123620000	32		

Note
 A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC ROCKWELL COMPACT LOGIX

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		
							Order No.	Qty.	Order No.	Qty.	
DI	1769-IQ16	16 DI, positive logic ^{B)}	7789770xxx	1			1463550000	1	1123000000	16	
		16 DI, negative logic ^{A)}	7789831xxx	1			1463550000	1	1123000000 1123120000	16	
	1769-IQ16F	16 DI, positive logic ^{B)}	7789770xxx	1			1463550000	1	1123000000	16	
		16 DI, negative logic ^{A)}	7789831xxx	1			1463550000	1	1123000000 1123120000	16	
	1769-IQ32	32 DI, positive logic ^{B)}	7789770xxx	1			1463550000	2	1123000000	32	
		32 DI, negative logic ^{A)}	7789831xxx 7789832xxx	1 1			1463550000	2	1123000000 1123120000	32	
	1769-IQ32T	32 DI, positive logic ^{B)}	1489160xxx	1			1463550000	2	1123000000	32	
		32 DI, negative logic ^{A)}	1489180xxx	1			1463550000	2	1123000000 1123120000	32	
	DO	1769-OB16	16 DO ^{A)}	7789769xxx	1			1463550000	1	1122770000 1122880000	16
		1769-OB16P	16 DO ^{A)}	7789769xxx	1			1463550000	1	1122770000 1122880000	16
1769-OB32		32 DO ^{A)}	7789769xxx	1			1463550000	2	1122770000	32	
			7789697xxx	1					1122880000		
1769-OB32T		32 DO ^{A)}	1489170xxx	1			1463550000	2	1122770000 1122880000	32	
1769-OV16	16 DO ^{B)}	7789769xxx	1			1463550000	1	1122780000 1122890000	16		

























Note A) The TERMSERIES adapter switch, should be positioned on the "A" side.
B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.



PLC ROCKWELL CONTROL LOGIX

8-channel solution





















	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter				
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)				
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays		
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	
DI	1756-IB16	16 DI ^{B)}	1511970xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
									1123120000				1123850000		
	1756-IB16D	16 DI ^{B)}	1511990xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
									1123120000				1123850000		
	1756-IB16I	16 DI ^{B)}	1511990xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
									1123120000				1123850000		
	1756-IB32	32 DI ^{B)}	1512010xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32	
									1123120000				1123850000		
DO	1756-OB16D	16 DO ^{A)}	1512030xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16	
									1122880000				1123610000		
	1756-OB16E	16 DO ^{A)}	1512040xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16	
									1122880000				1123610000		
	1756-OB16I	16 DO ^{A)}	1512070xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16	
										1122880000				1123610000	
	1756-OB32	32 DO ^{A)}	1512020xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32	
										1122880000				1123610000	
	1756-OB8	8 DO ^{A)}	1512090xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8	
										1122880000				1123610000	
	1756-OB8EI	8 DO ^{A)}	1512110xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8	
									1122880000				1123610000		
	1756-OV16E	16 DO ^{B)}	1512040xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16	
									1122890000				1123620000		
	1756-OV32E	32 DO ^{B)}	1512020xxx	1			1463520000	4	1122780000	32	1463540000	4	1123500000	32	
									1122890000				1123620000		

Note A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC ROCKWELL CONTROL LOGIX

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	1756-IB16	16 DI ^{B)}	7789039xxx	1			1463550000	1	1123000000	16
	1756-IB16D	16 DI ^{B)}	7789049xxx	1			1463550000	1	1123000000 1123120000	16
	1756-IB16I	16 DI ^{B)}	7789049xxx	1			1463550000	1	1123000000 1123120000	16
	1756-IB32	32 DI ^{B)}	7789041xxx	1			1463550000	2	1123000000 1123120000	32
DO	1756-OB16D	16 DO ^{A)}	7789040xxx	1			1463550000	1	1122770000 1122880000	16
	1756-OB16E	16 DO ^{A)}	7789058xxx	1			1463550000	1	1122770000 1122880000	16
	1756-OB16I	16 DO ^{A)}	7789059xxx	1			1463550000	1	1122770000 1122880000	16
	1756-OB32	32 DO ^{A)}	7789042xxx	1			1463550000	2	1122770000 1122880000	32
	1756-OV16E	16 DO ^{B)}	7789058xxx	1			1463550000	1	1122780000 1122890000	16
	1756-OV32E	32 DO ^{B)}	7789042xxx	1			1463550000	2	1122780000 1122890000	32



























Note

A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SCHNEIDER M340

8-channel solution























	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)		TERMSERIES adapter (Relay 12.8 mm)					
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	BMX DAI 1602	16 DI, DC positive logic ^{B)}	1512120xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
		16 DI, DC negative logic ^{A)}	1512130xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
	BMX DDI 1602	16 DI ^{B)}	1512120xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
	BMX DDI 3202K	32 DI ^{B)}	1512170xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
	BMX DDI 6402K	64 DI ^{B)}	1512170xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64
DO	BMX DDO 1602	16 DO ^{A)}	1512120xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
	BMX DDO 1612	16 DO ^{B)}	1512120xxx	1			1463520000	2	1122780000	16	1463540000	2	1123500000	16
	BMX DDO 3202K	32 DO ^{A)}	1512170xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32
	BMX DDO 6402K	64 DO ^{A)}	1512170xxx	2			1463520000	8	1122770000	64	1463540000	8	1123490000	64
DI/DO	BMX DDM 16022	8 DI ^{B)}	1512140xxx	1			1463520000	1	1123000000	8	1463540000	1	1123730000	8
		8 DO ^{A)}					1463520000	1	1122770000	8	1463540000	1	1123490000	8
	BMX DDM 3202K	16 DI ^{B)}	1512170xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
		16 DO ^{A)}					1463520000	2	1122770000	16	1463540000	2	1123490000	16

Note A) The TERMSERIES adapter switch, should be positioned on the "H+" side.
 B) The TERMSERIES adapter switch, should be positioned on the "H-" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SCHNEIDER M340

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	BMX DAI 1602	16 DI, DC positive logic ^{B)}	7789380xxx	1			1463550000	1	1123000000	16
		16 DI, DC negative logic ^{A)}	7789630xxx	1			1463550000	1	1123000000 1123120000	16
	BMX DDI 1602	16 DI ^{B)}	7789380xxx	1			1463550000	1	1123000000 1123120000	16
	BMX DDI 3202K	32 DI ^{B)}	7789387xxx	1			1463550000	2	1123000000 1123120000	32
	BMX DDI 6402K	64 DI ^{B)}	7789387xxx	2			1463550000	4	1123000000 1123120000	64
DO	BMX DDO 1602	16 DO ^{A)}	7789380xxx	1			1463550000	1	1122770000 1122880000	16
	BMX DDO 1612	16 DO ^{B)}	7789380xxx	1			1463550000	1	1122780000 1122890000	16
	BMX DDO 3202K	32 DO ^{A)}	7789387xxx	1			1463550000	2	1122770000 1122880000	32
	BMX DDO 6402K	64 DO ^{A)}	7789387xxx	2			1463550000	4	1122770000 1122880000	64
DI/DO	BMX DDM 3202K	16 DI ^{B)}	7789387xxx	1			1463550000	1	1123000000 1123120000	16
		16 DO ^{A)}					1463550000	1	1122770000 1122880000	16

Note A) The TERMSERIES adapter switch, should be positioned on the "A" side.
B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.



PLC SCHNEIDER - PREMIUM

8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	TSX DEY 08D2	8 DI ^{B)}	1512430xxx	1			1463520000	1	1123000000	8	1463540000	1	1123730000	8
									1123120000				1123850000	
	TSX DEY 16D2	16 DI ^{B)}	1512440xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	TSX DEY 16FK	16 DI ^{B)}	1512470xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
								1123120000				1123850000		
	TSX DEY 32D2K	32 DI ^{B)}	1512470xxx	2			1463520000	4	1123000000	32	1463540000	4	1123730000	32
								1123120000				1123850000		
	TSX DEY 64D2K	64 DI ^{B)}	1512470xxx	4			1463520000	8	1123000000	64	1463540000	8	1123730000	64
								1123120000				1123850000		
DO	TSX DSY 08T2	8 DO ^{A)}	1512430xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
									1122880000				1123610000	
	TSX DSY 16T2	16 DO ^{A)}	1512440xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
									1122880000				1123610000	
	TSX DSY 32T2K	32 DO ^{A)}	1512470xxx	2			1463520000	4	1122770000	32	1463540000	4	1123490000	32
								1122880000				1123610000		
	TSX DSY 64T2K	64 DO ^{A)}	1512470xxx	4			1463520000	8	1122770000	64	1463540000	8	1123490000	64
								1122880000				1123610000		

Note
A) The TERMSERIES adapter switch, should be positioned on the "+" side.
B) The TERMSERIES adapter switch, should be positioned on the "++" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SCHNEIDER - PREMIUM

16-channel solution









	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	TSX DEY 16D2	16 DI ^{B)}	7789322xxx	1			1463550000	1	1123000000	16
									1123120000	
	TSX DEY 16FK	16 DI ^{B)}	7789301xxx	1			1463550000	1	1123000000	16
									1123120000	
	TSX DEY 32D2K	32 DI ^{B)}	7789301xxx	2			1463550000	2	1123000000	32
									1123120000	
	TSX DEY 64D2K	64 DI ^{B)}	7789301xxx	4			1463550000	4	1123000000	64
									1123120000	
DO	TSX DSY 16T2	16 DO ^{A)}	7789322xxx	1			1463550000	1	1122770000	16
									1122880000	
	TSX DSY 32T2K	32 DO ^{A)}	7789301xxx	2			1463550000	2	1122770000	32
									1122880000	
	TSX DSY 64T2K	64 DO ^{A)}	7789301xxx	4			1463550000	4	1122770000	64
									1122880000	

Note
A) The TERMSERIES adapter switch, should be positioned on the "+" side.
B) The TERMSERIES adapter switch, should be positioned on the "++" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SCHNEIDER - QUANTUM

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	140 DDI 353 00	32 DI ^{B)}	2460880xxx	1			1463550000	2	1123000000	32
									1123120000	
	140 DDI 364 00	96 DI ^{B)}	7789301xxx	6			1463550000	6	1123000000	96
									1123120000	
DO	140 DDO 353 00	32 DO ^{A)}	2460880xxx	1			1463550000	2	1122770000	32
									1122880000	
	140 DDO 364 00	96 DO ^{A)}	7789301xxx	6			1463550000	6	1122780000	96
									1122890000	

Note
 A) The TERMSERIES adapter switch, should be positioned on the "L" side.
 B) The TERMSERIES adapter switch, should be positioned on the "N+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. 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 DC.

PLC SIEMENS S7-300

8-channel solution













































	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)		TERMSERIES adapter (Relay 12.8 mm)					
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	6ES7321-1BH00-0AA0	16 DI ^{B)}	1512620xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	6ES7321-1BH01-0AA0	16 DI ^{B)}	1512620xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	6ES7321-1BH02-0AA0	16 DI ^{B)}	1512620xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	6ES7321-1BH50-0AA0	16 DI ^{A)}	1512620xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	6ES7321-1BH80-0AA0	16 DI ^{B)}	1512620xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	6ES7321-1BH81-0AA0	16 DI ^{B)}	1512620xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
									1123120000				1123850000	
	6ES7321-1BL00-0AA0	32 DI ^{B)}	1512640xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000				1123850000	
	6ES7321-1BL80-0AA0	32 DI ^{B)}	1512640xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
									1123120000				1123850000	
6ES7321-1BP00-0AA0	64 DI, positive logic ^{B)}	1512650xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64	
								1123120000				1123850000		
	64 DI, negative logic ^{A)}	1512680xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64	
								1123120000				1123850000		
6ES7321-7BH00-0AB0	16 DI ^{B)}	1512630xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
								1123120000				1123850000		
6ES7321-7BH01-0AB0	16 DI ^{B)}	1512630xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
								1123120000				1123850000		
6ES7321-7BH80-0AB0	16 DI ^{B)}	1512630xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16	
								1123120000				1123850000		
DO	6ES7322-1BF00-0AA0	8 DO ^{A)}	1512600xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
									1122880000				1123610000	
	6ES7322-1BF01-0AA0	8 DO ^{A)}	1512600xxx	1			1463520000	1	1122770000	8	1463540000	1	1123490000	8
									1122880000				1123610000	
	6ES7322-1BH00-0AA0	16 DO ^{A)}	1512620xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
									1122880000				1123610000	
	6ES7322-1BH01-0AA0	16 DO ^{A)}	1512620xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
									1122880000				1123610000	
	6ES7322-1BH10-0AA0	16 DO ^{A)}	1512620xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
									1122880000				1123610000	
6ES7322-1BH81-0AA0	16 DO ^{A)}	1512620xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16	
								1122880000				1123610000		
6ES7322-1BL00-0AA0	32 DO ^{A)}	1512640xxx	1			1463520000	4	1122770000	32	1463540000	4	1123490000	32	
								1122880000				1123610000		
6ES7322-1BP00-0AA0	64 DO ^{A)}	1513340xxx	2			1463520000	8	1122770000	64	1463540000	8	1123490000	64	
								1122880000				1123610000		
6ES7322-1BP50-0AA0	64 DO ^{B)}	1513340xxx	2			1463520000	8	1122780000	64	1463540000	8	1123500000	64	
								1122890000				1123620000		

Note A) The TERMSERIES adapter switch, should be positioned on the "A" side.
 B) The TERMSERIES adapter switch, should be positioned on the "B" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SIEMENS S7-300

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		
							Order No.	Qty.	Order No.	Qty.	
DI	6ES7321-1BH00-0AA0	16 DI ^{B)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BH01-0AA0	16 DI ^{B)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BH02-0AA0	16 DI ^{B)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BH50-0AA0	16 DI ^{A)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BH80-0AA0	16 DI ^{B)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BH81-0AA0	16 DI ^{B)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BH82-0AA0	16 DI ^{B)}	7789234xxx	1			1463550000	1	1123000000	16	
	6ES7321-1BL00-0AA0	32 DI ^{B)}	7789236xxx	1			1463550000	2	1123000000	32	
	6ES7321-1BL80-0AA0	32 DI ^{B)}	7789236xxx	1			1463550000	2	1123000000	32	
	6ES7321-1BP00-0AA0	64 DI, positive logic ^{B)} 64 DI, negative logic ^{A)}	7789771xxx	2			1463550000	4	1123000000	64	
			7789768xxx	2			1463550000	4	1123000000	64	
	6ES7321-7BH00-0AB0	16 DI ^{B)}	7789192xxx	1			1463550000	1	1123000000	16	
	6ES7321-7BH01-0AB0	16 DI ^{B)}	7789192xxx	1			1463550000	1	1123000000	16	
	6ES7321-7BH80-0AB0	16 DI ^{B)}	7789192xxx	1			1463550000	1	1123000000	16	
	DO	6ES7322-1BH00-0AA0	16 DO ^{A)}	7789234xxx	1			1463550000	1	1122770000	16
		6ES7322-1BH01-0AA0	16 DO ^{A)}	7789234xxx	1			1463550000	1	1122880000	16
6ES7322-1BH10-0AA0		16 DO ^{A)}	7789234xxx	1			1463550000	1	1122770000	16	
6ES7322-1BH81-0AA0		16 DO ^{A)}	7789234xxx	1			1463550000	1	1122880000	16	
6ES7322-1BL00-0AA0		32 DO ^{A)}	7789236xxx	1			1463550000	2	1122770000	32	
6ES7322-1BP00-0AA0		64 DO ^{A)}	7789246xxx	1			1463550000	4	1122770000	64	
6ES7322-1BP50-0AA0		64 DO ^{B)}	7789246xxx	1			1463550000	4	1122780000	64	
							1463550000	4	1122890000	64	















Note A) The TERMSERIES adapter switch, should be positioned on the "+" side.
B) The TERMSERIES adapter switch, should be positioned on the "-" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.



PLC SIEMENS S7-400

8-channel solution















	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	6ES7421-1BL00-0AA0	32 DI ^{A)}	1512490xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
	6ES7421-1BL01-0AA0	32 DI ^{A)}	1512490xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
DO	6ES7422-1BH10-0AA0	16 DO ^{B)}	1512510xxx	1			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
	6ES7422-1BH11-0AA0	16 DO ^{B)}	1512510xxx	1			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
	6ES7422-1BL00-0AA0	32 DO ^{B)}	1512490xxx	1			1463520000	4	1122770000 1122880000	32	1463540000	4	1123490000 1123610000	32
	6ES7422-5EH10-0AB0	16 DO ^{B)}	1512520xxx	1			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
	6ES7422-7BL00-0AB0	32 DO ^{B)}	1512490xxx	1			1463520000	4	1122770000 1122880000	32	1463540000	4	1123490000 1123610000	32

Note
A) The TERMSERIES adapter switch, should be positioned on the "L" side.
B) The TERMSERIES adapter switch, should be positioned on the "N+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SIEMENS S7-400

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	6ES7421-1BL00-0AA0	32 DI ^{A)}	7789292xxx	1			1463550000	2	1123000000 1123120000	32
	6ES7421-1BL01-0AA0	32 DI ^{A)}	7789292xxx	1			1463550000	2	1123000000 1123120000	32
DO	6ES7422-1BH10-0AA0	16 DO ^{B)}	7789291xxx	1			1463550000	1	1122770000 1122880000	16
	6ES7422-1BH11-0AA0	16 DO ^{B)}	7789291xxx	1			1463550000	1	1122770000 1122880000	16
	6ES7422-1BL00-0AA0	32 DO ^{B)}	7789292xxx	1			1463550000	2	1122770000 1122880000	32
	6ES7422-5EH10-0AB0	16 DO ^{B)}	7789291xxx	1			1463550000	1	1122770000 1122880000	16
	6ES7422-7BL00-0AB0	32 DO ^{B)}	7789292xxx	1			1463550000	2	1122770000 1122880000	32

Note
A) The TERMSERIES adapter switch, should be positioned on the "L" side.
B) The TERMSERIES adapter switch, should be positioned on the "N+" side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SIEMENS S7-1500

8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	6ES7521-1BH00-0AB0	16 DI ^{B)}	1512530xxx	1			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
	6ES7521-1BL00-0AB0 6ES7521-1BL01-0AB0	32 DI ^{B)}	1512590xxx	1			1463520000	4	1123000000 1123120000	32	1463540000	4	1123730000 1123850000	32
	6ES7521-1BH50-0AA0	16 DI ^{A)}	1512540xxx	1			1463520000	2	1123000000 1123120000	16	1463540000	2	1123730000 1123850000	16
DO	6ES7522-1BF00-0AB0	8 DO ^{A)}	1512570xxx	1			1463520000	1	1122770000 1122880000	8	1463540000	1	1123490000 1123610000	8
	6ES7522-1BH00-0AB0 6ES7522-1BH01-0AB0	16 DO ^{A)}	1512530xxx	1			1463520000	2	1122770000 1122880000	16	1463540000	2	1123490000 1123610000	16
	6ES7522-1BL00-0AB0	32 DO ^{A)}	1512590xxx	1			1463520000	4	1122770000 1122880000	32	1463540000	4	1123490000 1123610000	32
	Note A) The TERMSERIES adapter switch, should be positioned on the "–" side. B) The TERMSERIES adapter switch, should be positioned on the "+ " side.													

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC SIEMENS S7-1500













16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	6ES7521-1BH00-0AB0	16 DI ^{B)}	1462090xxx	1			1463550000	1	1123000000 1123120000	16
	6ES7521-1BL00-0AB0 6ES7521-1BL01-0AB0	32 DI ^{B)}	1462040xxx	1			1463550000	2	1123000000 1123120000	32
	6ES7521-1BH50-0AA0	16 DI ^{A)}	1462100xxx	1			1463550000	1	1123000000 1123120000	16
DO	6ES7522-1BH00-0AB0 6ES7522-1BH01-0AB0	16 DO ^{A)}	1462090xxx	1			1463550000	1	1122770000 1122880000	16
	6ES7522-1BL00-0AB0	32 DO ^{A)}	1462040xxx	1			1463550000	2	1122770000 1122880000	32
	6ES7522-1BL10-0AB0	32 DO	1994450xxx	1			1463550000	2	1122770000 1122880000	32
	Note A) The TERMSERIES adapter switch, should be positioned on the "–" side. B) The TERMSERIES adapter switch, should be positioned on the "+ " side.									

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC YOKOGAWA CENTUM

8-channel solution













	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	ADV151	32 DI, positive logic ^{B)}	1512190xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
		32 DI, negative logic ^{A)}	1512210xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
	ADV161	64 DI, positive logic ^{B)}	1512190xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64
		64 DI, negative logic ^{A)}	1512210xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64
DO	ADV551	32 DO ^{B)}	1512220xxx	1			1463520000	4	1122780000	32	1463540000	8	1123500000	32
	ADV561	64 DO ^{B)}	1512220xxx	2			1463520000	8	1122780000	64	1463540000	8	1123500000	64

Note
 A) The TERMSERIES adapter switch, should be positioned on the "–" side.
 B) The TERMSERIES adapter switch, should be positioned on the "+ " side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC YOKOGAWA CENTUM

16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	ADV151	32 DI, positive logic ^{B)}	1512230xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	1512240xxx	1			1463550000	2	1123000000	32
	ADV161	64 DI, positive logic ^{B)}	1512230xxx	2			1463550000	4	1123000000	64
		64 DI, negative logic ^{A)}	1512240xxx	2			1463550000	4	1123000000	64
DO	ADV551	32 DO ^{B)}	1512270xxx	1			1463550000	2	1122780000	32
	ADV561	64 DO ^{B)}	1512270xxx	2			1463550000	4	1122780000	64

Note
 A) The TERMSERIES adapter switch, should be positioned on the "–" side.
 B) The TERMSERIES adapter switch, should be positioned on the "+ " side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC YOKOGAWA STARDOM

8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.			TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Screw connection	Tension-clamp connection	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	NFDV151	32 DI, positive logic ^{B)}	1512190xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
		32 DI, negative logic ^{A)}	1512210xxx	1			1463520000	4	1123000000	32	1463540000	4	1123730000	32
	NFDV161	64 DI, positive logic ^{B)}	1512190xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64
		64 DI, negative logic ^{A)}	1512210xxx	2			1463520000	8	1123000000	64	1463540000	8	1123730000	64
DO	NFDV551	32 DO ^{B)}	1512220xxx	1			1463520000	4	1122780000	32	1463540000	8	1123500000	32
	NFDV561	64 DO ^{B)}	1512220xxx	2			1463520000	8	1122780000	64	1463540000	8	1123500000	64

Note
 A) The TERMSERIES adapter switch, should be positioned on the "–" side.
 B) The TERMSERIES adapter switch, should be positioned on the "+ " side.

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC YOKOGAWA STARDOM





16-channel solution

	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.			TERMSERIES adapter		Inputs or outputs with relays	
							Screw connection	Tension-clamp connection	Order No.	Qty.
DI	NFDV151	32 DI, positive logic ^{B)}	1512230xxx	1			1463550000	2	1123000000	32
		32 DI, negative logic ^{A)}	1512240xxx	1			1463550000	2	1123000000	32
	NFDV161	64 DI, positive logic ^{B)}	1512230xxx	2			1463550000	4	1123000000	64
		64 DI, negative logic ^{A)}	1512240xxx	2			1463550000	4	1123000000	64
DO	NFDV551	32 DO ^{B)}	1512270xxx	1			1463550000	2	1122780000	32
	NFDV561	64 DO ^{B)}	1512270xxx	2			1463550000	4	1122780000	64

Note
 A) The TERMSERIES adapter switch, should be positioned on the "–" side.
 B) The TERMSERIES adapter switch, should be positioned on the "+ " side.





- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. For example, if the code ends in 100, the cable would be 10 m long.
- The relays indicated in the table are chosen for 24 V DC control voltage. For digital input cards these can be replaced by TERMSERIES relays with control voltages from 5 V DC to 230 V AC.

PLC WEIDMÜLLER U-REMOTE 8-channel solution

	PLC		Cables		Connection		TERMSERIES adapter				TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)				TERMSERIES adapter (Relay 12.8 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays		TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.	Order No.	Qty.	Order No.	Qty.
DI	UR20-16DI-P-PLC-INT ^{B)}	16 DI	1512470xxx	1			1463520000	2	1123000000	16	1463540000	2	1123730000	16
								1123120000					1123850000	
DO	UR20-16DO-P-PLC-INT ^{A)}	16 DO	1512470xxx	1			1463520000	2	1122770000	16	1463540000	2	1123490000	16
								1122880000					1123610000	
Note														
A) The TERMSERIES adapter switch, should be positioned on the "+" side.														
B) The TERMSERIES adapter switch, should be positioned on the "+" side.														

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. 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 TERMSERIES relays with other voltages, from 5 V DC to 230 V DC.

PLC WEIDMÜLLER U-REMOTE 16-channel solution

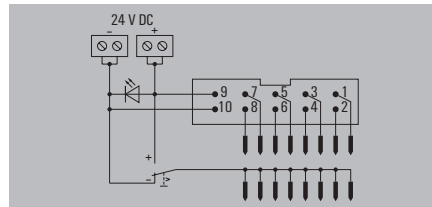
	PLC		Cables		Connection		TERMSERIES adapter			
	Input/Output cards		Standard				TERMSERIES adapter (Relay 6.4 mm)			
	Manufacturer code	Number/ Type of channels	Order No.	Qty.	Screw connection	Tension-clamp connection	TERMSERIES adapter		Inputs or outputs with relays	
							Order No.	Qty.	Order No.	Qty.
DI	UR20-16DI-P-PLC-INT ^{B)}	16 DI	1349670xxx	1			1463550000	1	1123000000	16
								1123120000		
DO	UR20-16DO-P-PLC-INT ^{A)}	16 DO	1349670xxx	1			1463550000	1	1122770000	16
								1122880000		
Note										
A) The TERMSERIES adapter switch, should be positioned on the "+" side.										
B) The TERMSERIES adapter switch, should be positioned on the "+" side.										

- The adapters should receive power from an external supply.
- The last 3 digits of the cable code indicates its length in decimeters. 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 TERMSERIES relays with other voltages, from 5 V DC to 230 V DC.

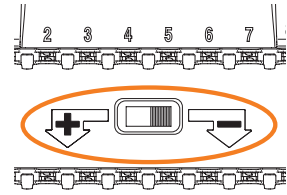
TERMSERIES adapters

- Suitable for input and output logic
- Version for 6.4mm TERMSERIES base
- Supply connections (PUSH IN) in double execution for supply voltage bridging
- User-friendly and unmistakable marking
- 10-pin connector according to DIN EN 60603-13

TIA F10



Potential change-over switch



The potential change-over switch is located between contact rows of the TERMSERIES adaptor. It is used to switch the potential of the lower contact row to "+" or "-" potential of the supply voltage.

Installation input

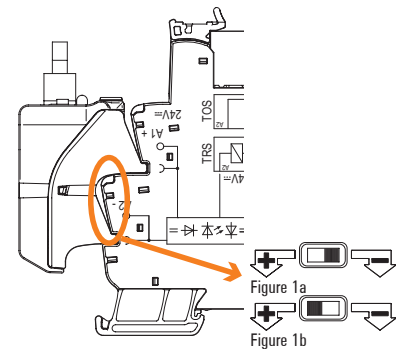


Figure 1a: **Positive-switching logic:** Potential change-over switch to "-", installation on **24 V DC input** (A1/A2).
 Figure 1b: **Negative-switching logic:** Potential change-over switch to "+", installation on **24 V UC input** (A1/A2).

Installation output

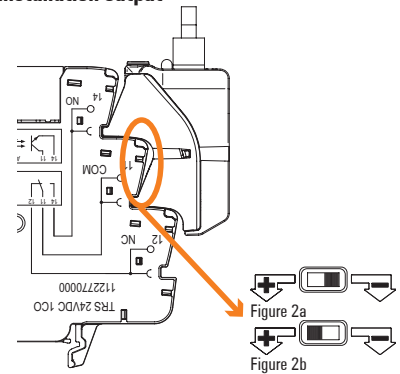


Figure 2a: **Positive-switching logic:** Potential change-over switch to "+", installation on output (11/14).
 Figure 2b: **Negative-switching logic:** Potential change-over switch to "-", installation on output (11/14).

Technical data

Supply	Supply voltage Status display
Signals	Rated voltage Voltage, max. Rated current (per signal path) Current (per signal path), max. Total current of all signals, max. Number of signal paths
Connection data (supply)	Wire connection method Clamping range, rated connection, min. Clamping range, rated connection, max. Number of terminals
Connection data (signal)	Plug type
General data	Ambient temperature (operational) Storage temperature Humidity UL 94 flammability rating Approvals
Insulation coordination	Pollution degree Overvoltage category Impulse withstand voltage Rated voltage Protection degree

24 V DC ± 20 %
Green LED
24 V DC
30 V DC
125 mA
1 A
1 A
8
PUSH IN
0.13 mm ²
1.5 mm ²
4 (+,+,-,-)
10-pole plug according to DIN EN 60603-13, long locking lever
-40 °C...60 °C
-40 °C...85 °C
5...95% (indoor, T _a = 40°C, no condensation)
V-0
CE; cULus; GL
2
III
1.5 kV
32 V
IP 20 in installed condition

Dimensions	Depth x width x height	mm
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62 / 51 / 43

Note	
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Ordering data

Type	Qty.	Order No.
TIA F10	1	1463520000

Note	Suitable for 6.4mm wide TERMSERIES base
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Accessories

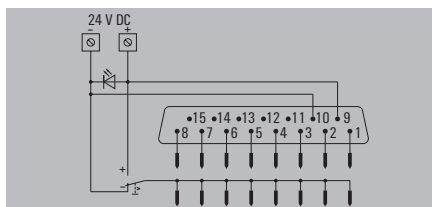
Note	
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TERMSERIES adapters

TERMSERIES adapters

- Suitable for input and output logic
- Version for 6.4mm TERMSERIES base
- User-friendly and unmistakable marking
- 15-pin D-sub connector according to DIN 41652 / IEC 60807

TIA SUBD 15S



Technical data

Supply	
Supply voltage	24 V DC ± 20 %
Status display	Green LED
Signals	
Rated voltage	24 V DC
Voltage, max.	30 V DC
Rated current (per signal path)	125 mA
Current (per signal path), max.	1 A
Total current of all signals, max.	1 A
Number of signal paths	8
Connection data (supply)	
Wire connection method	PUSH IN
Clamping range, rated connection, min.	0.13 mm ²
Clamping range, rated connection, max.	1.5 mm ²
Number of terminals	2 (+, -)
Connection data (signal)	
Plug type	SUB-D, 15-pole, DIN 41652 / IEC 60807
General data	
Ambient temperature (operational)	-40 °C...60 °C
Storage temperature	-40 °C...85 °C
Humidity	5...95% (indoor, T _a = 40°C, no condensation)
UL 94 flammability rating	V-0
Approvals	CE; cULus; GL
Insulation coordination	
Pollution degree	2
Overvoltage category	III
Impulse withstand voltage	1.5 kV
Rated voltage	32 V
Protection degree	IP 20 in installed condition

Dimensions	
Depth x width x height	52 / 51 / 43 mm

Note	

Ordering data

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Note	

Accessories

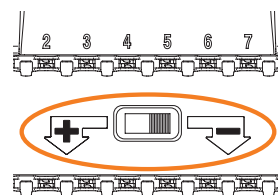
Note	

24 V DC ± 20 %
Green LED
24 V DC
30 V DC
125 mA
1 A
1 A
8
PUSH IN
0.13 mm ²
1.5 mm ²
2 (+, -)
SUB-D, 15-pole, DIN 41652 / IEC 60807
-40 °C...60 °C
-40 °C...85 °C
5...95% (indoor, T _a = 40°C, no condensation)
V-0
CE; cULus; GL
2
III
1.5 kV
32 V
IP 20 in installed condition

Type	Qty.	Order No.
TIA SUBD 15S	1	1463530000

Note	
	Suitable for 6.4mm wide TERMSERIES base

Potential change-over switch



The potential change-over switch is located between contact rows of the TERMSERIES adaptor. It is used to switch the potential of the lower contact row to "+" or "-" potential of the supply voltage.

Installation input

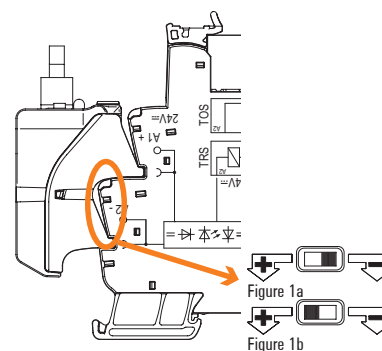


Figure 1a: **Positive-switching logic:** Potential change-over switch to "-", installation on **24 V DC input** (A1/A2).

Figure 1b: **Negative-switching logic:** Potential change-over switch to "+", installation on **24 V UC input** (A1/A2).

Installation output

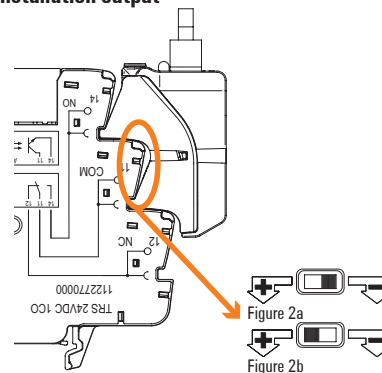


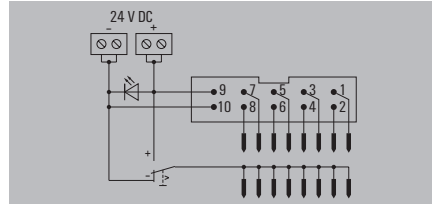
Figure 2a: **Positive-switching logic:** Potential change-over switch to "+", installation on **output** (11/14).

Figure 2b: **Negative-switching logic:** Potential change-over switch to "-", installation on **output** (11/14).

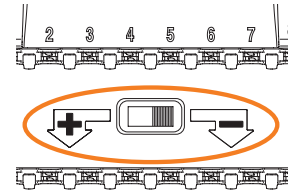
TERMSERIES adapters

- Suitable for input and output logic
- Version for 12.8mm TERMSERIES base
- Supply connections (PUSH IN) in double execution for supply voltage bridging
- User-friendly and unmistakable marking
- 10-pin connector according to DIN EN 60603-13

TIAL F10



Potential change-over switch



The potential change-over switch is located between contact rows of the TERMSERIES adaptor. It is used to switch the potential of the lower contact row to "+" or "-" potential of the supply voltage.

Installation input

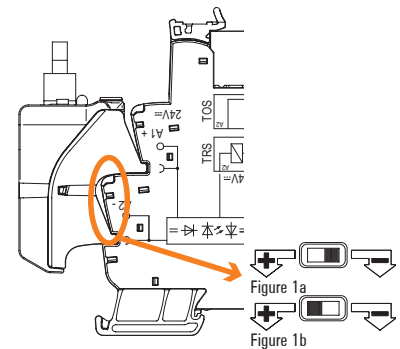


Figure 1a: **Positive-switching logic:** Potential change-over switch to "-", installation on **24 V DC input (A1/A2)**.
 Figure 1b: **Negative-switching logic:** Potential change-over switch to "+", installation on **24 V UC input (A1/A2)**.

Installation output

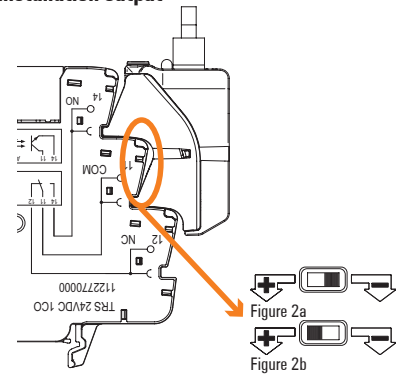


Figure 2a: **Positive-switching logic:** Potential change-over switch to "+", installation on output (11/14).
 Figure 2b: **Negative-switching logic:** Potential change-over switch to "-", installation on output (11/14).

Technical data

Supply	
Supply voltage	24 V DC ± 20 %
Status display	Green LED
Signals	
Rated voltage	24 V DC
Voltage, max.	30 V DC
Rated current (per signal path)	125 mA
Current (per signal path), max.	1 A
Total current of all signals, max.	1 A
Number of signal paths	8
Connection data (supply)	
Wire connection method	PUSH IN
Clamping range, rated connection, min.	0.13 mm ²
Clamping range, rated connection, max.	1.5 mm ²
Number of terminals	4 (+, +, -, -)
Connection data (signal)	
Plug type	10-pole plug according to DIN EN 60603-13, long locking lever
General data	
Ambient temperature (operational)	-40 °C...60 °C
Storage temperature	-40 °C...85 °C
Humidity	5...95% (indoor, T _a = 40°C, no condensation)
UL 94 flammability rating	V-0
Approvals	CE; cULus; GL
Insulation coordination	
Pollution degree	2
Overvoltage category	III
Impulse withstand voltage	1.5 kV
Rated voltage	32 V
Protection degree	IP 20 in installed condition

Dimensions	
Depth x width x height	62 / 102 / 43 mm
Note	

Ordering data

Type	Qty.	Order No.
TIAL F10	1	1463540000

Note

Suitable for 12.8mm wide TERMSERIES base

Accessories

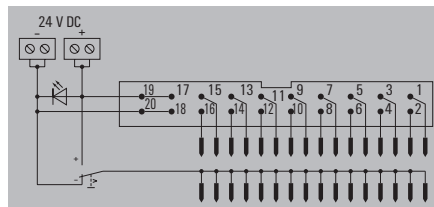
Note

TERMSERIES adapters

TERMSERIES adapters

- Suitable for input and output logic
- Version for 6.4mm TERMSERIES base
- Supply connections (PUSH IN) in double execution for supply voltage bridging
- User-friendly and unmistakable marking
- 20-pin connecting plug according to DIN EN 60603-13

TIAL F20



Technical data

Supply	
Supply voltage	24 V DC ± 20 %
Status display	Green LED
Signals	
Rated voltage	24 V DC
Voltage, max.	30 V DC
Rated current (per signal path)	60 mA
Current (per signal path), max.	1 A
Total current of all signals, max.	1 A
Number of signal paths	16
Connection data (supply)	
Wire connection method	PUSH IN
Clamping range, rated connection, min.	0.13 mm ²
Clamping range, rated connection, max.	1.5 mm ²
Number of terminals	4 (+, +, -, -)
Connection data (signal)	
Plug type	20-pole plug according to DIN EN 60603-13, long locking lever
General data	
Ambient temperature (operational)	-40 °C...60 °C
Storage temperature	-40 °C...85 °C
Humidity	5...95% (indoor), T _v = 40°C, no condensation
UL 94 flammability rating	V-0
Approvals	CE; cULus; GL
Insulation coordination	
Pollution degree	2
Overvoltage category	III
Impulse withstand voltage	1.5 kV
Rated voltage	32 V
Protection degree	IP 20 in installed condition

Dimensions	
Depth x width x height	62 / 102 / 43 mm

Note	
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Ordering data

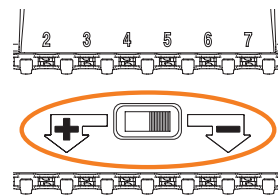
Type	Qty.	Order No.
TIAL F20	1	1463550000

Note	
	Suitable for 6.4mm wide TERMSERIES base

Accessories

Note	
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Potential change-over switch



The potential change-over switch is located between contact rows of the TERMSERIES adaptor. It is used to switch the potential of the lower contact row to "+" or "-" potential of the supply voltage.

Installation input

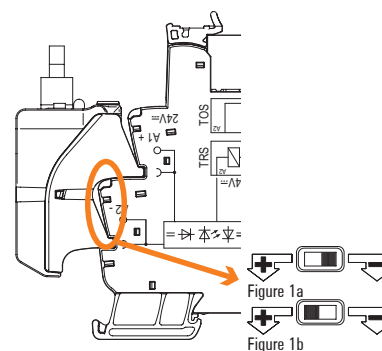


Figure 1a: **Positive-switching logic:** Potential change-over switch to "-", installation on **24 V DC input** (A1/A2).

Figure 1b: **Negative-switching logic:** Potential change-over switch to "+", installation on **24 V UC input** (A1/A2).

Installation output

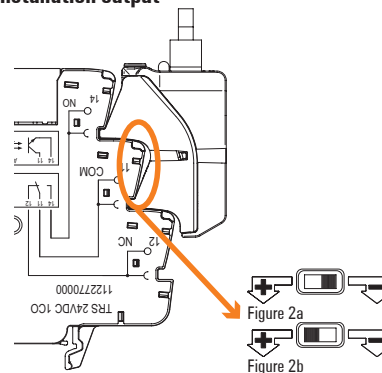
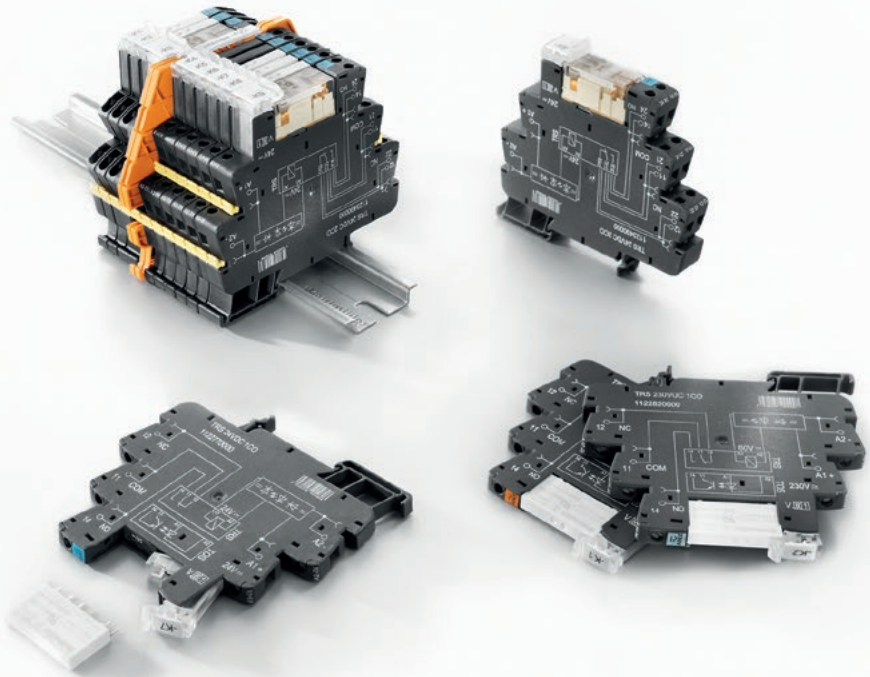


Figure 2a: **Positive-switching logic:** Potential change-over switch to "+", installation on output (11/14).

Figure 2b: **Negative-switching logic:** Potential change-over switch to "-", installation on output (11/14).

TERMSERIES

Relay modules from 6 mm width



Number of contacts / Type of contact		1 NO		1 CO			2 CO	
		AgSnO	AgSnO + W	AgNi	AgNi + 5µAu	AgNi	AgNi	AgNi + 5µAu
		16 A	16 A	6 A		16 A	8 A	
Voltage / Input DC	Connection							
5 V DC	Screw			1122740000	1122980000	1479650000	1123470000	1123710000
	Tension clamp			1122860000	1123100000	1479800000	1123590000	1123830000
12 V DC	Screw			1122750000	1122990000	1479670000	1123480000	1123720000
	Tension clamp			1122870000	1123110000	1479820000	1123600000	1123840000
24 V DC	Screw	1479780000	1479810000	1122770000	1123000000	1479680000	1123490000	1123730000
	Tension clamp	1479940000	1479970000	1122880000	1123120000	1479840000	1123610000	1123850000
Input UC								
24 V UC	Screw			1122780000	1123010000	1479690000	1123500000	1123740000
	Tension clamp			1122890000	1123130000	1479850000	1123620000	1123870000
48 V UC	Screw			1122790000	1123020000	1479700000	1123510000	1123750000
	Tension clamp			1122900000	1123140000	1479870000	1123630000	1123880000
60 V UC	Screw			1122800000	1123030000	1479710000	1123520000	1123770000
	Tension clamp			1122910000	1123150000	1479880000	1123640000	1123890000
120 V UC	Screw			1122810000	1123170000	1479730000	1123530000	1123780000
	Tension clamp			1122920000	1123040000	1479890000	1123650000	1123900000
230 V UC	Screw			1122820000	1123050000	1479740000	1123540000	1123790000
	Tension clamp			1122930000	1123180000	1479900000	1123670000	1123910000
24 - 230 V UC	Screw	1479790000	1479830000	1122850000	1123090000	1479770000	1123580000	1123820000
	Tension clamp	1479950000	1479980000	1122970000	1123210000	1479930000	1123700000	1123940000
Input AC								
120 V AC RC	Screw			1122830000	1123070000	1479750000	1123550000	1123800000
	Tension clamp			1122940000	1123190000	1479910000	1123680000	1123920000
230 V AC RC	Screw			1122840000	1123080000	1479760000	1123570000	1123810000
	Tension clamp			1122950000	1123200000	1479920000	1123690000	1123930000
Note	Selection of preferred types, other modules upon request							



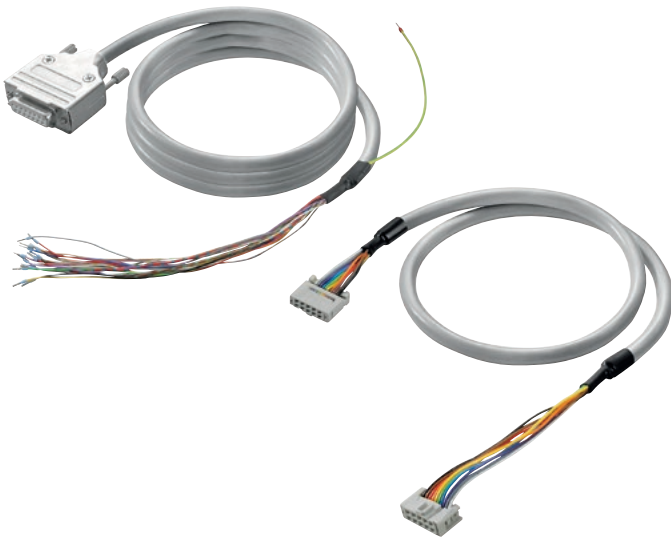
Pre-assembled cables for general applications

Pre-assembled cables for general applications	Introduction	F.2
	PAC-UNIV-HE - Universal pre-assembled cables for ribbon connectors according IEC 60603-13	F.3
	PAC-UNIV-D - Universal pre-assembled cables for SUB-D connectors according IEC 60807	F.4
	PAC-HD - Universal pre-assembled cables for High density SUB-D connectors	F.6
	PAC-ELCO - Pre-assembled cables for RS ELCO interfaces	F.8
	Selection guide - PLC Universal pre-assembled cables	F.9

Pre-assembled cables for general applications

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.

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

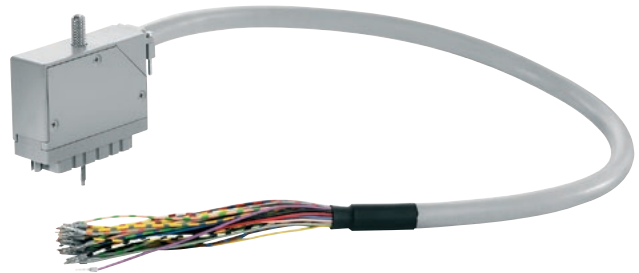


This range of pre-assembled cables for ribbon cabling complies with IEC 60603-13/DIN 41651 SUB-D in accordance with IEC 60807-2/DIN 41652 and SUB-D High density.

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.

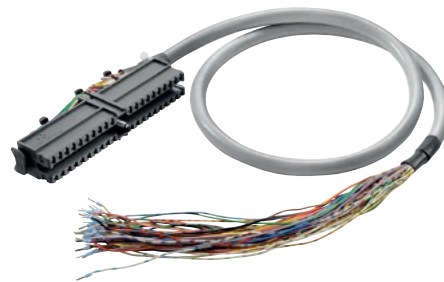
Colour code acc. To DIN 47,100 and available in different lengths.

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.

PAC-UNIV Pre-assembled cables with PLC original connector



These range of pre-assembled cables are provided with the original PLC connector in one end of the cables and with ferrules in the other.

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

Available for main PLC's of the market. More options on demand.

PAC-UNIV-HE – Universal pre-assembled cables for ribbon connectors according IEC 60603-13

Pre-assembled ribbon cable according to IEC-60603-13/DIN 41651.

- Ribbon cable - ribbon cable
 - Ribbon cable - wire-end ferrules
- Cable
- Halogen free cables: LIHH
 - No halogen-free cables: LIYY
 - Colour code according DIN 47100

Technical data

Rated data	
Operating voltage	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 150mΩ/m
Nominal rating, control cable	
Wire cross-section	0.14 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

PAC-UNIV-HE-F / PAC-HE-F-HF

Ribbon cable to wire-end ferrules connector



Rated data		
Operating voltage	≤ 60 V DC ≤ 25 V AC	
Permissible current strength per path, max.	1 A	
Total current, max.	3 A	
Resistance	≤ 150mΩ/m	
Nominal rating, control cable		
Wire cross-section	0.14 mm ²	
General data		
Ambient temperature (operational)	-10...50 °C	
Storage temperature	-10...60 °C	

PAC-UNIV-HE-HE / PAC-HE-HE-HF

Ribbon cable to ribbon cable connector



Rated data		
Operating voltage	≤ 60 V DC ≤ 25 V AC	
Permissible current strength per path, max.	1 A	
Total current, max.	3 A	
Resistance	≤ 150mΩ/m	
Nominal rating, control cable		
Wire cross-section	0.14 mm ²	
General data		
Ambient temperature (operational)	-10...50 °C	
Storage temperature	-10...60 °C	

Note

Ordering data

No halogen-free cables	
10-pole connector	PAC-UNIV-HE10-F-1M
14-pole connector	PAC-UNIV-HE14-F-1M
16-pole connector	PAC-UNIV-HE16-F-1M
20-pole connector	PAC-UNIV-HE20-F-1M
26-pole connector	PAC-UNIV-HE26-F-1M
34-pole connector	PAC-UNIV-HE34-F-1M
40-pole connector	PAC-UNIV-HE40-F-1M
50-pole connector	
Halogen-free cables	
10-pole connector	PAC-HE10-F-HF-1M
14-pole connector	PAC-HE14-F-HF-1M
16-pole connector	PAC-HE16-F-HF-1M
20-pole connector	PAC-HE20-F-HF-1M
26-pole connector	PAC-HE26-F-HF-1M
34-pole connector	PAC-HE34-F-HF-1M
40-pole connector	PAC-HE40-F-HF-1M

Type	Qty.	Order No.
PAC-UNIV-HE10-F-1M	1	1349730010
PAC-UNIV-HE14-F-1M	1	1349740010
PAC-UNIV-HE16-F-1M	1	1349770010
PAC-UNIV-HE20-F-1M	1	1349790010
PAC-UNIV-HE26-F-1M	1	1349820010
PAC-UNIV-HE34-F-1M	1	1349840010
PAC-UNIV-HE40-F-1M	1	1349880010
PAC-HE10-F-HF-1M	1	2420540010
PAC-HE14-F-HF-1M	1	2425650010
PAC-HE16-F-HF-1M	1	2425710010
PAC-HE20-F-HF-1M	1	2425660010
PAC-HE26-F-HF-1M	1	2425720010
PAC-HE34-F-HF-1M	1	2425690010
PAC-HE40-F-HF-1M	1	2425680010

Type	Qty.	Order No.
PAC-UNIV-HE10-HE10-1M	1	1349630010
PAC-UNIV-HE14-HE14-1M	1	1349640010
PAC-UNIV-HE16-HE16-1M	1	1349650010
PAC-UNIV-HE20-HE20-1M	1	1349670010
PAC-UNIV-HE26-HE26-1M	1	1349680010
PAC-UNIV-HE34-HE34-1M	1	1349690010
PAC-UNIV-HE40-HE40-1M	1	1349700010
PAC-UNIV-HE50-HE50-1M	1	1349720010
PAC-HE10-HE10-HF-1M	1	2420550010
PAC-HE14-HE14-HF-1M	1	2425940010
PAC-HE16-HE16-HF-1M	1	2425700010
PAC-HE20-HE20-HF-1M	1	2425730010
PAC-HE26-HE26-HF-1M	1	2425740010
PAC-HE34-HE34-HF-1M	1	2425950010
PAC-HE40-HE40-HF-1M	1	2425960010

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.

PAC-UNIV-D – Universal pre-assembled cables for SUB-D connectors according IEC 60807

Pre-assembled SUB-D cable according to IEC-60807/DIN 41652.

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

Cable

- Halogen free cables: LHCH
- No halogen-free cables: LIYcY
- Colour code according DIN 47100

Technical data

Rated data	
Operating voltage	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 80 mΩ/m
Nominal rating, control cable	
Wire cross-section	0.25 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

PAC-UNIV-D-F/ PAC-D-F-HF

SUB-D to wire-end ferrules



Rated data	
Operating voltage	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 80 mΩ/m
Nominal rating, control cable	
Wire cross-section	0.25 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

PAC-UNIV-D-D /PAC-D-D-HF

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



Rated data	
Operating voltage	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 80 mΩ/m
Nominal rating, control cable	
Wire cross-section	0.25 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Note

Ordering data

No halogen-free cables	
9-pole male connector	PAC-UNIV-D9M-F-1M
15-pole male connector	PAC-UNIV-D15M-F-1M
25-pole male connector	PAC-UNIV-D25M-F-1M
37-pole male connector	PAC-UNIV-D37M-F-1M
50-pole male connector	PAC-UNIV-D50M-F-1M
9-pole female connector	PAC-UNIV-D9F-F-1M
15-pole female connector	PAC-UNIV-D15F-F-1M
25-pole female connector	PAC-UNIV-D25F-F-1M
37-pole female connector	PAC-UNIV-D37F-F-1M
50-pole female connector	PAC-UNIV-D50F-F-1M
Halogen-free cables	
9-pole male connector	PAC-D9M-F-HF-1M
15-pole male connector	PAC-D15M-F-HF-1M
25-pole male connector	PAC-D25M-F-HF-1M
37-pole male connector	PAC-D37M-F-HF-1M
9-pole female connector	PAC-D9F-F-HF-1M
15-pole female connector	PAC-D15F-F-HF-1M
25-pole female connector	PAC-D25F-F-HF-1M
37-pole female connector	PAC-D37F-F-HF-1M

Type	Qty.	Order No.
PAC-UNIV-D9M-F-1M	1	1350400010
PAC-UNIV-D15M-F-1M	1	1350420010
PAC-UNIV-D25M-F-1M	1	1350430010
PAC-UNIV-D37M-F-1M	1	1350440010
PAC-UNIV-D50M-F-1M	1	1350450010
PAC-UNIV-D9F-F-1M	1	1350470010
PAC-UNIV-D15F-F-1M	1	1350480010
PAC-UNIV-D25F-F-1M	1	1350490010
PAC-UNIV-D37F-F-1M	1	1350500010
PAC-UNIV-D50F-F-1M	1	1350520010
PAC-D9M-F-HF-1M	1	2420560010
PAC-D15M-F-HF-1M	1	2425980010
PAC-D25M-F-HF-1M	1	2425990010
PAC-D37M-F-HF-1M	1	2426000010
PAC-D9F-F-HF-1M	1	2426020010
PAC-D15F-F-HF-1M	1	2426030010
PAC-D25F-F-HF-1M	1	2426040010
PAC-D37F-F-HF-1M	1	2426050010

Type	Qty.	Order No.
PAC-UNIV-D9M-D9M-1M	1	1349750010
PAC-UNIV-D15M-D15M-1M	1	1349780010
PAC-UNIV-D25M-D25M-1M	1	1349800010
PAC-UNIV-D37M-D37M-1M	1	1349830010
PAC-UNIV-D50M-D50M-1M	1	1349850010
PAC-UNIV-D9F-D9F-1M	1	1349870010
PAC-UNIV-D15F-D15F-1M	1	1349890010
PAC-UNIV-D25F-D25F-1M	1	1349920010
PAC-UNIV-D37F-D37F-1M	1	1349930010
PAC-UNIV-D50F-D50F-1M	1	1349940010
PAC-D9M-D9M-HF-1M	1	2420570010
PAC-D15M-D15M-HF-1M	1	2426070010
PAC-D25M-D25M-HF-1M	1	2426080010
PAC-D37M-D37M-HF-1M	1	2426090010
PAC-D9F-D9F-HF-1M	1	2426110010
PAC-D15F-D15F-HF-1M	1	2426180010
PAC-D25F-D25F-HF-1M	1	2426120010
PAC-D37F-D37F-HF-1M	1	2426130010

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.

PAC-UNIV-D – Universal pre-assembled cables for SUB-D connectors according IEC 60807

Pre-assembled SUB-D cable according to IEC-60807/DIN 41652.

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

Cable

- Halogen free cables: LHCH
- No halogen-free cables: LIYcY
- Colour code according DIN 47100

PAC-UNIV-DxM-DxF/PAC-DxM-DxF-HF

SUB-D male-female connector



Technical data

Rated data	
Operating voltage	≤ 60 V DC ≤ 25 V AC
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 80 mΩ/m
Nominal rating, control cable	
Wire cross-section	0.25 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

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Note	
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Ordering data

No halogen-free cables	Type	Qty.	Order No.
9-pole male/female connector	PAC-UNIV-D9M-D9F-1M	1	1349950010
15-pin male/female connector	PAC-UNIV-D15M-D15F-1M	1	1349970010
25-pin male/female connector	PAC-UNIV-D25M-D25F-1M	1	1349980010
37-pin male/female connector	PAC-UNIV-D37M-D37F-1M	1	1349990010
50-pin male/female connector	PAC-UNIV-D50M-D50F-1M	1	1350000010
Halogen-free cables	Type	Qty.	Order No.
9-pole male/female connector	PAC-D9M-D9F-HF-1M	1	2420580010
15-pin male/female connector	PAC-D15M-D15F-HF-1M	1	2426150010
25-pin male/female connector	PAC-D25M-D25F-HF-1M	1	2426160010
37-pin male/female connector	PAC-D37M-D37F-HF-1M	1	2426190010

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.
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PAC-HD – Universal pre-assembled cables for High density SUB-D connectors

Pre-assembled high density SUB-D cable

- HD SUB-D to HD SUB-D connector
- HD SUB-D to wire-end ferrules

Shielded cable LiYcY:

- 15-26 poles: 0.25 mm² (resistance ≤ 80 mΩ/m)
- 44-62 poles: 0.14 mm² (resistance ≤ 150 mΩ/m)
- Colour code according DIN 47100

PAC-HD-F

HD SUB-D to wire-end ferrules



PAC-HD-HD

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



Technical data

Rated data
Operating voltage
Permissible current strength per path, max.
Total current, max.
Capacity wire / wires
Capacity wire / shield
Nominal rating, control cable
Cable
Material
General data
Ambient temperature (operational)
Storage temperature

≤ 250 V DC ≤ 250 V AC
1 A
3 A
300 pF/m
300 pF/m
Cable LiYcY
PVC
-10...50 °C
-10...60 °C

≤ 60 V DC ≤ 25 V AC
1 A
3 A
300 pF/m
300 pF/m
Cable LiYcY
PVC
-10...50 °C
-10...60 °C

Note

Note

Note

Ordering data

15-pole male connector
26-pole male connector
44-pole male connector
62-pole male connector
15-pole female connector
26-pole female connector
44-pole female connector
62-pole female connector

Type	Qty.	Order No.
PAC-HD15M-F-V0-1M	1	1440810010
PAC-HD26M-F-V0-1M	1	2093680010
PAC-HD44M-F-V0-1M	1	2093910010
PAC-HD15F-F-V0-1M	1	1440780010
PAC-HD26F-F-V0-1M	1	2093080010
PAC-HD44F-F-V0-1M	1	2093090010

Type	Qty.	Order No.
PAC-HD15M-HD15M-V0-1M	1	1440740010
PAC-HD26M-HD26M-V0-1M	1	2094720010
PAC-HD44M-HD44M-V0-1M	1	2094730010
PAC-HD62M-HD62M-V0-1M	1	2094770010
PAC-HD15F-HD15F-V0-1M	1	1440750010
PAC-HD26F-HD26F-V0-1M	1	2094140010
PAC-HD44F-HD44F-V0-1M	1	2094180010
PAC-HD62F-HD62F-V0-1M	1	1988930010

Note

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

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

PAC-HD – Universal pre-assembled cables for High density SUB-D connectors

Pre-assembled high density SUB-D cable

- HD SUB-D to HD SUB-D connector
- HD SUB-D to wire-end ferrules

Shielded cable LIYcY:

- 15-26 poles: 0.25 mm² (resistance ≤ 80 mΩ/m)
- 44-62 poles: 0.14 mm² (resistance ≤ 150 mΩ/m)
- Colour code according DIN 47100

PAC-HDxM-HDxF

HD SUB-D male-female connector



Technical data

Rated data
Operating voltage
Permissible current strength per path, max.
Total current, max.
Capacity wire / wires
Capacity wire / shield
Nominal rating, control cable
Cable
Material
General data
Ambient temperature (operational)
Storage temperature

≤ 60 V DC ≤ 25 V AC
1 A
3 A
300 pF/m
300 pF/m
Cable LIYcY
PVC
-10...50 °C
-10...60 °C

Note

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Ordering data

15-pin male/female connector
26-pin male/female connector
44-pin male/female connector
62-pin male/female connector

Type	Qty.	Order No.
PAC-HD15M-HD15F-V0-1M	1	1440770010
PAC-HD26M-HD26F-V0-1M	1	2003420010
PAC-HD44M-HD44F-V0-1M	1	1989360010
PAC-HD62M-HD62F-V0-1M	1	2094800010

Note

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

PAC-ELCO Pre-assembled cables for RS ELCO interfaces

- Pre-assembled ELCO female cable
- ELCO to ELCO connector
 - ELCO to wire-end ferrules
 - Polarizer in position 1
- Shielded cable LiYcY

PAC-ELCO



Technical data

Rated data	
Operating voltage	250 V
Permissible current strength per path, max.	1 A
Total current, max.	3 A
Resistance	≤ 80 mΩ/m
Capacity wire / wires	300 pF/m
Capacity wire / shield	300 pF/m
Cable features	
Cable	Cable LiYcY
Material	PVC
Wire cross-section	0.25 mm ²
General data	
Ambient temperature (operational)	-10...50 °C
Storage temperature	-10...60 °C

Note

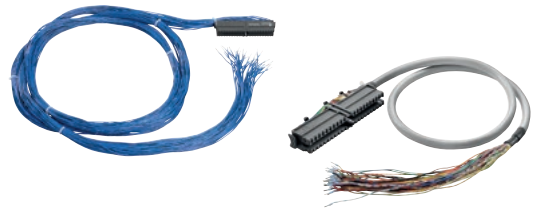
Ordering data

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

PLC Universal pre-assembled cables



Pre-assembled cables for general applications

Cables	PLC Connector	Cable type	To use with
Universal cables for Siemens S7-300			
778960xxx	Siemens S7-300 20 poles	Unshielded LIYY 0,25 mm ²	Siemens S7-300 digital cards with Siemens 20 poles connector
1323930xxx	Siemens S7-300 20 poles	Unshielded 0,5 mm ²	Siemens S7-300 digital cards with Siemens 20 poles connector
7789607xxx	Siemens S7-300 20 poles	Shielded LYCY 0,25 mm ²	Siemens S7-300 analog cards with Siemens 20 poles connector
7789608xxx	Siemens S7-300 40 poles	Unshielded LIYY 0,25 mm ²	Siemens S7-300 digital cards with Siemens 40 poles connector
1323960xxx	Siemens S7-300 40 poles	Unshielded 0,5 mm ²	Siemens S7-300 digital cards with Siemens 40 poles connector
7789609xxx	Siemens S7-300 40 poles	Shielded LYCY 0,25 mm ²	Siemens S7-300 analog cards with Siemens 40 poles connector
1452610xxx	40 poles connector	Unshielded LIYY 0,25 mm ²	Siemens S7-300 digital cards with 40 poles connector
Universal cables for Siemens S7-400			
1504000xxx	Siemens S7-400 48 poles	Unshielded LIYY 0,25 mm ²	Siemens S7-400 digital cards with Siemens 48 poles connector
1504020xxx	Siemens S7-400 48 poles	Shielded LYCY 0,25 mm ²	Siemens S7-400 analog cards with Siemens 48 poles connector
Universal cables for Siemens S7-1500			
1466230xxx	Siemens S7-1500 35mm 40 poles	Unshielded LIYY 0,25 mm ²	Siemens S7-1500 digital cards with 35 mm Siemens 40 poles connector
1466240xxx	Siemens S7-1500 35mm 40 poles	Shielded LYCY 0,25 mm ²	Siemens S7-1500 analog cards with 35 mm Siemens 40 poles connector
2000150xxx	Siemens S7-1500 35mm 40 poles	Unshielded 0,5 mm ²	Siemens S7-1500 digital cards with 35 mm Siemens 40 poles connector
2579210xxx	Siemens S7-1500 25mm 40 poles	Unshielded LIYY 0,25 mm ²	Siemens S7-1500 digital cards with 25 mm Siemens 40 poles connector
2579220xxx	Siemens S7-1500 25mm 40 poles	Shielded LYCY 0,25 mm ²	Siemens S7-1500 analog cards with 25 mm Siemens 40 poles connector
2579230xxx	Siemens S7-1500 25mm 40 poles	Unshielded 0,5 mm ²	Siemens S7-1500 digital cards with 25 mm Siemens 40 poles connector
Universal cables for Rockwell Control Logix			
7789731xxx	Rockwell 1756-TBNH 20 poles	Unshielded LIYY 0,25 mm ²	Rockwell Control Logix digital cards with Rockwell 20 poles connector
7789732xxx	Rockwell 1756-TBNH 20 poles	Shielded LYCY 0,25 mm ²	Rockwell Control Logix analog cards with Rockwell 20 poles connector
7789733xxx	Rockwell 1756-TBCH 36 poles	Unshielded LIYY 0,25 mm ²	Rockwell Control Logix digital cards with Rockwell 36 poles connector
7789734xxx	Rockwell 1756-TBCH 36 poles	Shielded LYCY 0,25 mm ²	Rockwell Control Logix analog cards with Rockwell 36 poles connector
Universal cables for Rockwell Compact Logix			
1350250xxx	Rockwell 1769-RTBN18 18 poles	Unshielded LIYY 0,25 mm ²	Rockwell Compact Logix digital cards with Rockwell 18 poles connector
1350270xxx	Rockwell 1769-RTBN18 18 poles	Shielded LYCY 0,25 mm ²	Rockwell Compact Logix analog cards with Rockwell 18 poles connector
1349880xxx	IDC connector 40 poles	Unshielded LIYY 0,25 mm ²	Rockwell Compact Logix cards with DIN 41651 type 40 poles connector
Universal cables for Schneider Premium			
7789827xxx	Schneider TSX BLY 01 20 poles	Unshielded LIYY 0,25 mm ²	Schneider Premium digital cards with Schneider 20 poles connector
2426770xxx	Schneider TSX BLY 01 20 poles	Shielded LYCY 0,25 mm ²	Schneider Premium analog cards with Schneider 20 poles connector
1349790xxx	IDC connector 20 poles	Unshielded LIYY 0,25 mm ²	Schneider Premium cards with DIN 41651 type 20 poles connector
1350430xxx	SUBD male connector 25 poles	Shielded LYCY 0,25 mm ²	Schneider Premium cards with SUBD female 25 poles connector
Universal cables for Schneider M340			
1355950xxx	Schneider BMX FTB 2000 20 poles	Unshielded LIYY 0,25 mm ²	Schneider M340 digital cards with Schneider 20 poles connector
2426750xxx	Schneider BMX FTB 2000 20 poles	Shielded LYCY 0,25 mm ²	Schneider M340 analog cards with Schneider 20 poles connector
2426760xxx	Schneider BMX FTB 2820 28 poles	Shielded LYCY 0,25 mm ²	Schneider M340 analog cards with Schneider 28 poles connector
1452610xxx	40 poles connector FCN	Unshielded LIYY 0,25 mm ²	Schneider M340 digital cards with 40 poles connector
2509360xxx	40 poles connector	Shielded LYCY 0,25 mm ²	Schneider M340 digital cards with 40 poles connector
Universal cables for Mitsubishi Melsec Q			
1452610xxx	40 poles connector	Unshielded LIYY 0,25 mm ²	Mitsubishi Melsec Q digital cards with 40 poles connector
Universal cables for Omron CJ1W			
2426780xxx	Omron CJ-OD507-18P 18 poles	Unshielded LIYY 0,25 mm ²	Omron CJ1W digital cards with Omron 18 poles connector
2426790xxx	Omron CJ-OD507-18P 18 poles	Shielded LYCY 0,25 mm ²	Omron CJ1W analog cards with Omron 18 poles connector
1452610xxx	40 poles connector	Unshielded LIYY 0,25 mm ²	Omron CJ1W digital cards with 40 poles connector
Universal cables for Gefanuc RX3i			
2435770xxx	20 poles connector	Unshielded LIYY 0,25 mm ²	Gefanuc RX3i digital cards with 20 poles connector
7789842xxx	Gefanuc IC694TBS032 36 poles	Unshielded LIYY 0,25 mm ²	RX3i digital cards with Gefanuc 38 poles connector
2435780xxx	Gefanuc IC694TBS032 36 poles	Shielded LYCY 0,25 mm ²	RX3i analog cards with Gefanuc 38 poles connector
Universal cables for Weidmüller u-remote			
1405070xxx	20 poles connector with housing	Unshielded LIYY 0,25 mm ²	Weidmüller U-Remote cards with DIN 41651 type 20 poles connector

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Migration Systems

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Replace PLC systems without any downtimes

Our PLC Migration Bridge System affords maximum flexibility when no space in the cabinet

When industrial systems age or are no longer state-of-the-art, or when there is a limited supply of support and/or spare parts, systems need to be updated at a process industry plant's control level.

When replacing PLC systems, it is vital to avoid cabling errors and to keep plant downtimes to a minimum during the migration process.

PLC migration interfaces from Weidmüller provide you with a secure way of replacing the control level. Even adaptations or changes to the infrastructure can be performed simply and quickly without any need to intervene in the field cabling.



In many fields, such as the process, chemical, cement or automotive industry, and in the energy sector, plant operators need to perform PLC system updates without any downtimes. In situations such as these ones, PLC migration interfaces from Weidmüller are the perfect solution

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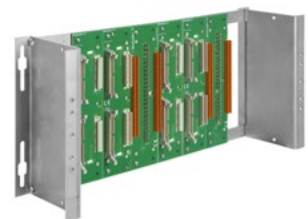
Retrofitting made easy – our solutions at a glance

Preparation

Old PLC wiring connection has to be disconnected and the rack or structure of the old PLC systems has to be disassembled from the cabinet.



Step 1
Assemble the new Weidmüller rack in the old rack used space.



Step 2
Mount the corresponding Weidmüller Front adapter (FAD) in the rack.



Step 3
Plug in the FAD the old PLC cables and one end of the new Weidmüller PLC pre-assembled cable.



Step 4
Assemble the new rail where the new PLC will be placed in and plug the other end of new Weidmüller PLC pre-assembled cable.

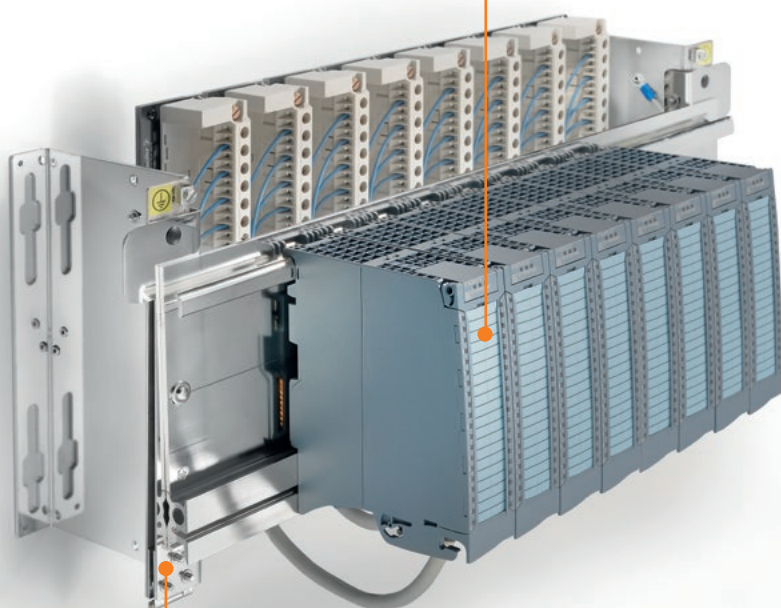
Your special advantages:

Reach your goal faster

With Weidmüller PLC migration interfaces, there's no need to make any changes to the field cabling, so this shortens the amount of time needed to upgrade the entire plant. Indeed, what used to be a PLC migration process that lasted a good few weeks is now an update that can be completed in just a few hours – including the system tests. Production facilities can return to operating as normal even after the briefest of downtimes.

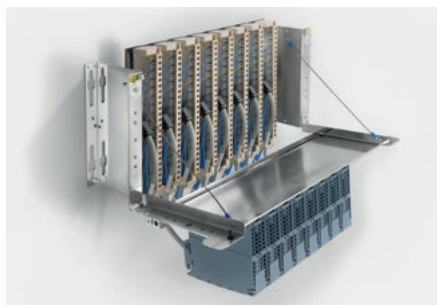
Use independent of the manufacturer

Irrespective of the PLC manufacturer, at Weidmüller you'll find the perfect portfolio of migration components to suit your purpose.



Less space required

With our new migration interfaces, PLC migration doesn't automatically translate into you suddenly having less free space in your cabinet. The rack system replaces the old control and combines connection levels and the new control to create one compact unit. Due to the possibility of easily turning down the upper deck the connection components are accessible without any difficulty.



Error-free migration

Easy-to choose migration components and the possibility of combining tested, pre-assembled cables and front plug-in adapters make for error-free connection of the new PLC.



Make choices specific to your application

Simple configuration tables from Weidmüller make it easier for you to choose all the elements you need. The lists are based on the ratio of old to new PLC cards and precisely describe the rack system, the front adapters and the pre-assembled cables. See our Online Selection Tool for Migration

New system: Weidmüller u-remote

Siemens S7-150	Module quantity	Card type	Number of signals	PLC	Power supply	PSU	PSU No.	PSU	PSU No.	PSU	PSU No.
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	1	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1

New system: Siemens S7-1500

Siemens S7-150	Siemens S7-1500	Card type	Number of signals	PLC	Power supply	PSU	PSU No.	PSU	PSU No.	PSU	PSU No.
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1
6ES7 311-1CG03-0AB0	6ES7 311-1CG03-0AB0	PSU	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1	6ES7 311-1CG03-0AB0	1

Needs-based solution

Our adapters and interfaces are the easiest way of combining old plants with new PLC systems. There are no limits to the potential uses of our retrofitting components.



Selection Table for migration between SIEMENS S5-115 to Weidmüller u-remote/ SIEMENS S7-1500 and S7-300

The following selection tables help you to choose the FAD and pre-assembled cables to migrate from S5-115 to other systems.

1. Select the right table, depending on the new systems you need to migrate
2. Select the combination of "old Card" / "new card" you need to migrate from the corresponding table. For example: 6ES5 420-7LA11 to 1315210000 UR20-16DI-P-PLC-INT
3. Select the order number of the FAD to be ordered:
 - FAD code 1991730000
 - Quantity: 1 unit (by card)
4. Generate the order number of the cable to be ordered:
 - Cable code 1349670xxx
 - Quantity: 2 unit (by card)The last 3 digits indicate the length:
For example 015 indicates 1.5 m

Please always take into account the characteristics of the new PLC card so that it is able to provide enough current to your existing application to act the field elements.

New system: Weidmüller u-remote

Siemens S5-115 Old Card	Weidmüller u-remote New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
6ES5 420-7LA11	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 430-7LA11	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 441-7LA12	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 451-7LA11	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 451-7LA12	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 451-7LA21	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 454-7LA12	1315270000 UR20-16DO-P-PLC-INT	Digital Output	16	1986010000 ^{A)}	FAD S5115 HE20 16IO M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
B) Cable designed to work with only power supply. Please contact us for information on other solution.
C) A maximum of 9 FAD's can be placed in the migration rack 1993530000. The use of the Weidmüller Migration rail 2003740000 is needed too

New system: Siemens S7-1500

Siemens S5-115 Old Card	Siemens S7-1500 New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
6ES5 420-7LA11	6ES7521-1BL00-0AB0	Digital Input	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 430-7LA12	6ES7521-1BL00-0AB0	Digital Input	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 431-7LA11	6ES7521-1BH00-0AB0 (only 24 V DC)	Digital Input	16	1986010000 ^{A)}	FAD S5115 HE20 16IO M	1	1462090xxx	PAC-S1500-HE20-V1-LLLM	1
6ES5 435-7LA11	6ES7521-1FH00-0AA0	Digital Input	16	1985980000	FAD S5115 SL24 M	1	2004530xxx	PAC-S1500-SL24-AR1-LLLM	1
6ES5 436-7LA11	6ES7521-1FH00-0AA0	Digital Input	16	1985980000	FAD S5115 SL24 M	1	2004530xxx	PAC-S1500-SL24-AR1-LLLM	1
6ES5 441-7LA12	6ES7522-1BL00-0AB0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 451-7LA11	6ES7522-1BL00-0AB0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 451-7LA12	6ES7522-1BL00-0AB0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 451-7LA21	6ES7522-1BL00-0AB0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 454-7LA12	6ES7522-1BH00-0AB0	Digital Output	16	1986010000 ^{A)}	FAD S5115 HE20 16IO M	1	1462090xxx	PAC-S1500-HE20-V1-LLLM	1
6ES5 458-7LC11	6ES7522-5HF00-0AB0 (2 units)	Digital Output	16	1985980000	FAD S5115 SL24 M	1	2004540xxx ^{B)}	PAC-S1500-SL24-AY0-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
B) Cable designed to work with only power supply. Please contact us for information on other solution.
C) A maximum of 9 FAD's can be placed in the migration rack 1993530000. The use of the Siemens rail for S7-1500 6ES7590-1AE80-0AA0 is needed too

New system: Siemens S7-300

Siemens S5-115 Old Card	Siemens S7-300 New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
6ES5 420-7LA11	6ES7321-1BL00-0AA0	Digital Input	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 430-7LA12	6ES7321-1BL00-0AA0	Digital Input	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 435-7LA11	6ES7321-1FH00-0AA0	Digital Input	16	1985980000	FAD S5115 SL24 M	1	2004620xxx	PAC-S300-SL24-AR0-LLLM	1
6ES5 435-7LC11	6ES7321-1FF10-0AA0	Digital Input	8	1985980000	FAD S5115 SL24 M	1	2004630xxx	PAC-S300-SL24-AR1-LLLM	1
6ES5 436-7LA11	6ES7321-1FH00-0AA0	Digital Input	16	1985980000	FAD S5115 SL24 M	1	2004620xxx	PAC-S300-SL24-AR0-LLLM	1
6ES5 436-7LC11	6ES7321-1FF10-0AA0	Digital Input	8	1985980000	FAD S5115 SL24 M	1	2004630xxx	PAC-S300-SL24-AR1-LLLM	1
6ES5 441-7LA12	6ES7322-1BL00-0AA0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 451-7LA11	6ES7322-1BL00-0AA0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 451-7LA12	6ES7322-1BL00-0AA0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 451-7LA21	6ES7322-1BL00-0AA0	Digital Output	32	1991730000 ^{A)}	FAD S5115 2XHE20 32IO M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 454-7LA12	6ES7322-1BH00-0AA0	Digital Output	16	1986010000 ^{A)}	FAD S5115 HE20 16IO M	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
6ES5 458-7LB11	6ES7322-1HF10-0AA0	Digital Output	8	1985980000	FAD S5115 SL24 M	1	2004640xxx	PAC-S300-SL24-AY2-LLLM	1
6ES5460-7LA12 (current, voltage and TC)	6ES7331-7KF02-0AB0	Analogue Input	8	2045120000	FAD S5115 SL46 A M	1	2045970xxx	PAC-S300-SL46-AJ0-LLLM	1
6ES5470-7LC12	6ES7332-5HF00-0AB0	Analogue Output	8	2045120000	FAD S5115 SL46 A M	1	2045910xxx	PAC-S300-SL46-AM0-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
B) Cable designed to work with only power supply. Please contact us for information on other solution.
C) A maximum of 9 FAD's can be placed in the migration rack 1993530000. The use of the Siemens rail for S7-300 6ES7390-1AE80-0AA0 is needed too

Solutions on demand

Our retrofit front-panel adapters and interfaces are the easiest way to connect old PLCs with new PLC systems.

The possible uses of our retrofit components are unlimited. Weidmüller has developed many products for migration systems.

We look forward to provide you with professional advice on the needed conversion for your system. Any customised solution is available on demand.

Selection Table for migration between SIEMENS S5-135 to Weidmüller u-remote/ SIEMENS S7-1500 and S7-300

The following selection tables help you to choose the FAD and pre-assembled cables to migrate from S5-135 to other systems.

1. Select the right table, depending on the new systems you need to migrate
2. Select the combination of "old Card" / "new card" you need to migrate from the corresponding table. For example: 6ES5 420-4UA13 to 1315210000 UR20-16DI-P-PLC-INT
3. Select the order number of the FAD to be ordered:
 - FAD code 1986050000
 - Quantity: 1 unit (by card)
4. Generate the order number of the cable to be ordered:
 - Cable code 1349670xxx
 - Quantity: 2 unit (by card)The last 3 digits indicate the length:
For example 015 indicates 1.5 m

Please always take into account the characteristics of the new PLC card so that it is able to provide enough current to your existing application to act the field elements.

New system: Weidmüller u-remote

Siemens S5-135 Old Card	Weidmüller u-remote New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
6ES5 420-4UA13	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 420-4UA14	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 430-4UA13	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 430-4UA14	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 432-4UA12	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 441-4UA13	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 441-4UA14	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 451-4UA13	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
6ES5 451-4UA14	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
 B) Cable designed to work with only power supply. Please contact us for information on other solution.
 C) A maximum of 20 FAD's can be placed in the migration rack 1993500000. The use of the Weidmüller Migration rail 2003740000 is needed too

New system: Siemens S7-1500

Siemens S5-135 Old Card	Siemens S7-1500 New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
6ES5 420-4UA13	6ES7521-1BL00-0AB0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 420-4UA14	6ES7521-1BL00-0AB0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 430-4UA13	6ES7521-1BL00-0AB0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 430-4UA14	6ES7521-1BL00-0AB0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 432-4UA12	6ES7521-1BL00-0AB0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 436-4UA12	6ES7521-1FH00-0AA0	Digital Input	16	1986030000	FAD S5135 SL20 R	1	2004590xxx	PAC-S1500-SL20-ARO-LLLM	1
6ES5 441-4UA13	6ES7522-1BL00-0AB0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 441-4UA14	6ES7522-1BL00-0AB0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 451-4UA13	6ES7522-1BL00-0AB0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 451-4UA14	6ES7522-1BL00-0AB0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
6ES5 456-4UB12	6ES7522-5FF00-0AB0	Digital Output	8	1986030000	FAD S5135 SL20 R	1	2004600xxx	PAC-S1500-SL20-AYO-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
 B) Cable designed to work with only power supply. Please contact us for information on other solution.
 C) A maximum of 20 FAD's can be placed in the migration rack 1993500000. The use of the Siemens rail for S7-1500 6ES7590-1AE80-0AA0 is needed too

New system: Siemens S7-300

Siemens S5-135 Old Card	Siemens S7-300 New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
6ES5 420-4UA13	6ES7321-1BL00-0AA0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 420-4UA14	6ES7321-1BL00-0AA0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 430-4UA13	6ES7321-1BL00-0AA0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 430-4UA14	6ES7321-1BL00-0AA0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 432-4UA12	6ES7321-1BL00-0AA0	Digital Input	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1
6ES5 436-4UA12	6ES7321-1FH00-0AA0	Digital Input	16	1986030000	FAD S5135 SL20 R	1	2004880xxx	PAC-S300-SL20-ARO-LLLM	1
6ES5 436-4UB12	6ES7321-1FF10-0AA0	Digital Input	8	1986030000	FAD S5135 SL20 R	1	2004870xxx	PAC-S300-SL20-AR1-LLLM	1
6ES5 441-4UA13	6ES7322-1BL00-0AA0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1
6ES5 441-4UA14	6ES7322-1BL00-0AA0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1
6ES5 451-4UA13	6ES7322-1BL00-0AA0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 451-4UA14	6ES7322-1BL00-0AA0	Digital Output	32	1986050000 ^{A)}	FAD S5135 2XHE20 32IO R	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
6ES5 454-4UA13	6ES7322-1BH00-0AA0	Digital Output	16	1986040000 ^{A)}	FAD S5135 HE20 16IO R	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
6ES5 454-4UA14	6ES7322-1BH00-0AA0	Digital Output	16	1986040000 ^{A)}	FAD S5135 HE20 16IO R	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
6ES5 456-4UA12	6ES7322-1HH01-0AA0	Digital Output	16	1986030000	FAD S5135 SL20 R	1	2004860xxx	PAC-S300-SL20-AYO-LLLM	1
6ES5 456-4UB12	6ES7322-1HF10-0AA0	Digital Output	8	1986030000	FAD S5135 SL20 R	1	2004850xxx	PAC-S300-SL20-AY1-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
 B) Cable designed to work with only power supply. Please contact us for information on other solution.
 C) A maximum of 20 FAD's can be placed in the migration rack 1993500000. The use of the Siemens rail for S7-300 6ES7390-1AE80-0AA0 is needed too

Solutions on demand

Our retrofit front-panel adapters and interfaces are the easiest way to connect old PLCs with new PLC systems.

The possible uses of our retrofit components are unlimited. Weidmüller has developed many products for migration systems.

We look forward to provide you with professional advice on the needed conversion for your system. Any customised solution is available on demand.

Selection Table for migration between Schneider TSX 7 to Weidmüller u-remote/ SIEMENS S7-1500 and S7-300

The following selection tables help you to choose the FAD and pre-assembled cables to migrate from TSX 7 to other systems.

1. Select the right table, depending on the new systems you need to migrate
2. Select the combination of "old Card" / "new card" you need to migrate from the corresponding table. For example: TSX DET 16 12 to 1315210000
UR20-16DI-P-PLC-INT
3. Select the order number of the FAD to be ordered:
 - FAD code 1985940000
 - Quantity: 1 unit (by card)
4. Generate the order number of the cable to be ordered:
 - Cable code 1349670xxx
 - Quantity: 1 unit (by card)The last 3 digits indicate the length:
For example 015 indicates 1.5 m

Please always take into account the characteristics of the new PLC card so that it is able to provide enough current to your existing application to act the field elements.

New system: Weidmüller u-remote

Schneider TSX7 Old Card	Weidmüller u-remote New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
TSX DET 16 12	1315210000 UR20-16DI-P-PLC-INT	Digital Input	16	1985940000 ^{A)}	FAD BLK 1 HE20 16I M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1
TSX DET 32 52	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
TSX DET 32 42	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
TSX DET 32 32	1315210000 UR20-16DI-P-PLC-INT (2 uds)	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
TSX DST 16 82	1315270000 UR20-16DO-P-PLC-INT	Digital Output	16	1985950000	FAD BLK 1 HE20 16O M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1
TSX DST 32 92	1315270000 UR20-16DO-P-PLC-INT (2 uds)	Digital Output	32	1985970000	FAD BLK 9 2XHE20 M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	2
TSX DST 16 32	1315270000 UR20-16DO-P-PLC-INT	Digital Output	16	1985950000 ^{A)}	FAD BLK 1 HE20 16O M	1	1349670xxx	PAC-UNIV-HE20-HE20-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
 B) Cable designed to work with only power supply. Please contact us for information on other solution.
 C) A maximum of 8 FAD's can be placed in the migration rack 1993520000. The use of the Weidmüller Migration rail 2003740000 is needed too

New system: Siemens S7-1500

Schneider TSX7 Old Card	Siemens S7-1500 New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
TSX DET 16 12	6ES7521-1BH00-0AA0	Digital Input	16	1985940000 ^{A)}	FAD BLK 1 HE20 16I M	1	1462090xxx	PAC-S1500-HE20-V1-LLLM	1
TSX DET 16 04	6ES7521-1FH00-0AA0	Digital Input	16	1985930000	FAD BLK 1 SL24 M	1	2004610xxx	PAC-S1500-SL24-ARO-LLLM	1
TSX DET 32 52	6ES7521-1BL00-0AB0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
TSX DET 32 42	6ES7521-1BL00-0AB0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
TSX DET 32 32	6ES7521-1BL00-0AB0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
TSX DST 32 92	6ES7522-1BL00-0AB0	Digital Output	32	1985970000	FAD BLK 9 2XHE20 M	1	1462040xxx	PAC-S1500-HE20-V0-LLLM	1
TSX DST 16 32	6ES7522-1BH00-0AB0	Digital Output	16	1985950000	FAD BLK 1 HE20 16O M	1	1462090xxx	PAC-S1500-HE20-V1-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
 B) Cable designed to work with only power supply. Please contact us for information on other solution.
 C) A maximum of 8 FAD's can be placed in the migration rack 1993520000. The use of the Siemens rail for S7-1500 6ES7590-1AE80-0AA0 is needed too

New system: Siemens S7-300

Schneider TSX7 Old Card	Siemens S7-300 New Card	Card type	Number of signals	FAD			CABLES		
				Order No.	Type	Qty.	Order No.	Type	Qty.
TSX DET 16 12	6ES7321-1BH00-0AA0	Digital Input	16	1985940000 ^{A)}	FAD BLK 1 HE20 16I M	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
TSX DET 16 12	6ES7321-1BH01-0AA0	Digital Input	16	1985940000 ^{A)}	FAD BLK 1 HE20 16I M	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
TSX DET 16 12	6ES7321-1BH02-0AA0	Digital Input	16	1985940000 ^{A)}	FAD BLK 1 HE20 16I M	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
TSX DET 16 04	6ES7 321-1FH00-0AA0	Digital Input	16	1985930000	FAD BLK 1 SL24 M	1	2004650xxx	PAC-S300-SL24-AR2-LLLM	1
TSX DET 8 05	6ES7 321-1FF10-0AA0	Digital Input	8	1985930000	FAD BLK 1 SL24 M	1	2004660xxx	PAC-S300-SL24-AR3-LLLM	1
TSX DET 32 52	6ES7 321-1BL00-0AA0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DET 32 52	6ES7 321-1BL80-0AA0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DET 32 42	6ES7 321-1BL00-0AA0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DET 32 42	6ES7 321-1BL80-0AA0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DET 32 32	6ES7 321-1BL00-0AA0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DET 32 32	6ES7 321-1BL80-0AA0	Digital Input	32	1985960000	FAD BLK 7 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DST 16 82	6ES7322-1BL00-0AA0	Digital Output	16	1985950000	FAD BLK 1 HE20 16O M	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1
TSX DST 32 92	6ES7322-1BH00-0AA0	Digital Output	32	1985970000	FAD BLK 9 2XHE20 M	1	7789236xxx	PAC-S300-HE20-V4-LLLM	1
TSX DST 16 32	6ES7322-1BL00-0AA0	Digital Output	16	1985950000	FAD BLK 1 HE20 16O M	1	7789234xxx	PAC-S300-HE20-V3-LLLM	1

Note: A) FAD designed to work with only one power supply. Please contact us for information on other solution.
 B) Cable designed to work with only power supply. Please contact us for information on other solution.
 C) A maximum of 8 FAD's can be placed in the migration rack 1993520000. The use of the Siemens rail for S7-300 6ES7390-1AE80-0AA0 is needed too

Solutions on demand

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We look forward to provide you with professional advice on the needed conversion for your system. Any customised solution is available on demand.

Selection Table for migration between Rockwell PLC5 to ferrules.

The following selection tables help you to choose the pre-assembled cables to migrate from PLC5 FAD to ferrules.

Wiring -arms	Front-adaptor FAD		Pre-assembled cables			
	Order No.	Type	Order No.	Type	Type of cable	Number of cables /FAD
WA-WC	2448650000	FAD 1771-WA/WC SL10 M	2679940XXX	PAC-BLZF10-F-C50-XXXX	cabl 0,5 mm ²	1
WB/WD	2448680000	FAD 1771-WB/WD SL12 M	2679960XXX	PAC-BLZF12-F-C50-XXXX	cabl 0,5 mm ²	1
WH-WHF-WHFR	2448660000	FAD 1771-WH SL21 M	2679980XXX	PAC-2BLZF11-F-C50-XXXX	cabl 0,5 mm ²	1
WG	2563110000	FAD 1771-WG SL21 M	2679980XXX	PAC-2BLZF11-F-C50-XXXX	cabl 0,5 mm ²	1
WE-WF-WI	2448690000	FAD 1771-WF SL18 M	2679970XXX	PAC-BLZF18-F-C50-XXXX	cabl 0,5 mm ²	1
WN	2448670000	FAD 1771-WN 2SL20 M	2679950XXX	PAC-2BLZF20-F-C50-XXXX	cabl 0,5 mm ²	1

FAD – front adapters for migrations from Siemens S5-115

The FAD S5-115 front adapters with pre-assembled cables provide safe migration from the old S5-115 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35
- S5-115 card is powered by a single power supply

FAD S5115 HE20 16IO M



Technical data

Connection data	
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 (EN 50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Insulation test voltage	

Plug-in connectors according to IEC 60603-13 / DIN 41651 20p	
30 V AC / 60 V DC	
1 A	
2 A	
3 A	
-25...50°C	
-40...60 °C	
CE	
< 50 V AC	
III	
2	
0.35 kVAC	

Dimensions	
Length / Width / Height	

280.45 mm / 46 mm / 36.4 mm

Note	
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Ordering data

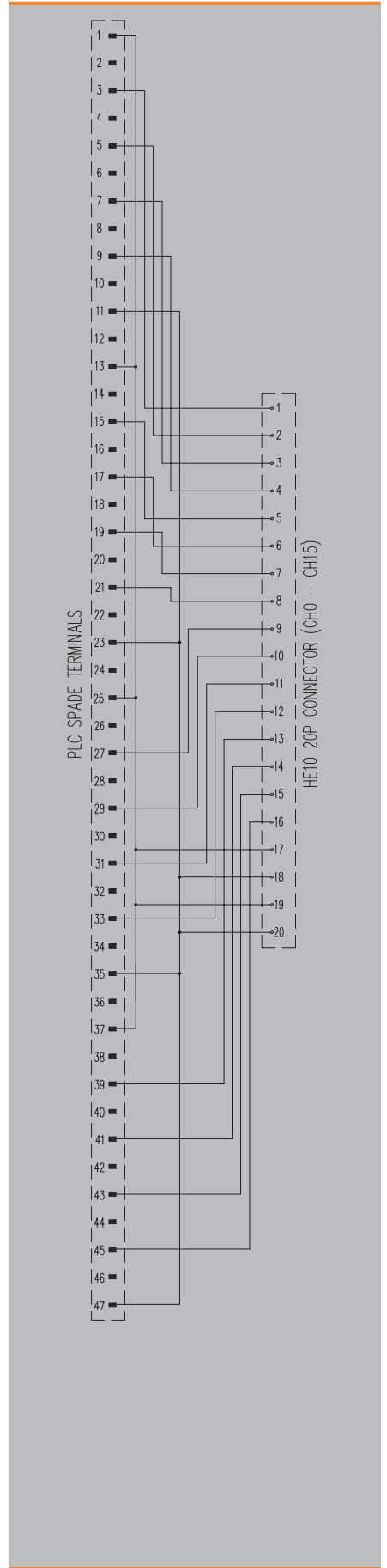
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Type	Qty.	Order No.
FAD S5115 HE20 16IO M	1	1986010000

Note	
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Accessories

Note	
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FAD – front adapters for migrations from Siemens S5-115

The FAD S5-115 front adapters with pre-assembled cables provide safe migration from the old S5-115 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35
- S5-115 card is powered by a single power supply

FAD S5115 2XHE20 32IO M



Technical data

Connection data	
Connection (field side)	2 x Connector according IEC 60603-13/DIN 41651 20 p
Rated data	
Operating voltage	30 V AC / 60 V DC
Max. current per channel	1 A
Max. current per byte	2 A
Total operating current	6 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 50 V AC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.35 kVAC

Dimensions	
Length / Width / Height	280.45 mm / 46 mm / 36.4 mm
Note	

Dimensions	
Length / Width / Height	280.45 mm / 46 mm / 36.4 mm

Note	
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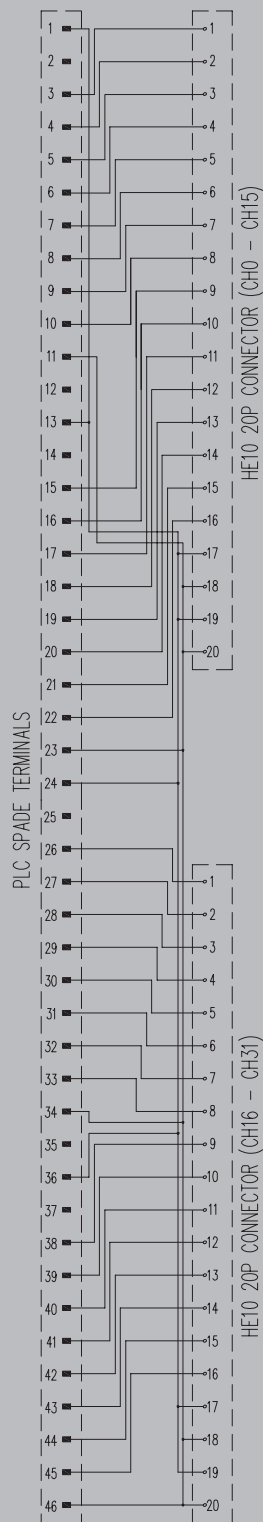
Ordering data

Type	Qty.	Order No.
FAD S5115 2XHE20 32IO M	1	1991730000

Note	
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Accessories

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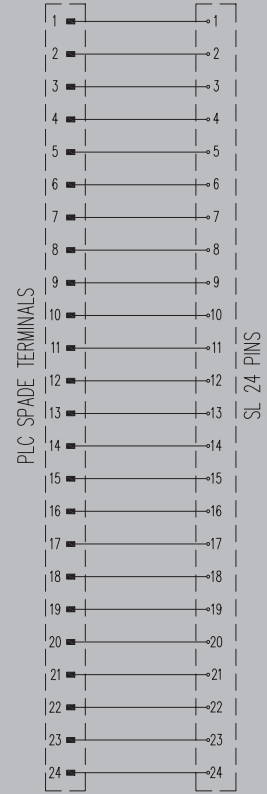
FAD – front adapters for migrations from Siemens S5-115 – Bridge System

FAD – front adapters for migrations from Siemens S5-115

The FAD S5-115 front adapters with pre-assembled cables provide safe migration from the old S5-115 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35
- S5-115 card is powered by a single power supply

FAD S5115 SL24 M



Technical data

Connection data

Connection (field side)

SL 5.08 mm

Rated data

Operating voltage

250 V AC

Max. current per channel

6 A

Max. current per byte

32 A

Total operating current

General data

Ambient temperature (operational)

-25...50°C

Storage temperature

-40...60 °C

Approvals

CE

Insulation coordination (EN 50178)

Rated insulation voltage

< 250 V AC

Surge voltage category

II

Pollution severity level

2

Insulation test voltage

1.2 kVAC

Dimensions

Length / Width / Height

280.45 mm / 46 mm / 24.7 mm

Note

Ordering data

Type	Qty.	Order No.
FAD S5115 SL24 M	1	1985980000

Note

Accessories

Note

FAD – front adapters for migrations from Siemens S5-115

The FAD S5-115 front adapters with pre-assembled cables provide safe migration from the old S5-115 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35
- S5-115 card is powered by a single power supply

FAD S5115 SL46 A M



Technical data

Connection data	
Connection (field side)	SL 5.08 mm
Rated data	
Operating voltage	250 V AC
Max. current per channel	6 A
Max. current per byte	
Total operating current	32 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 250 V AC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	1.2 kVAC

Dimensions	
Length / Width / Height	280.45 mm / 46 mm / 24.7 mm

Dimensions	
Length / Width / Height	280.45 mm / 46 mm / 24.7 mm

Note	
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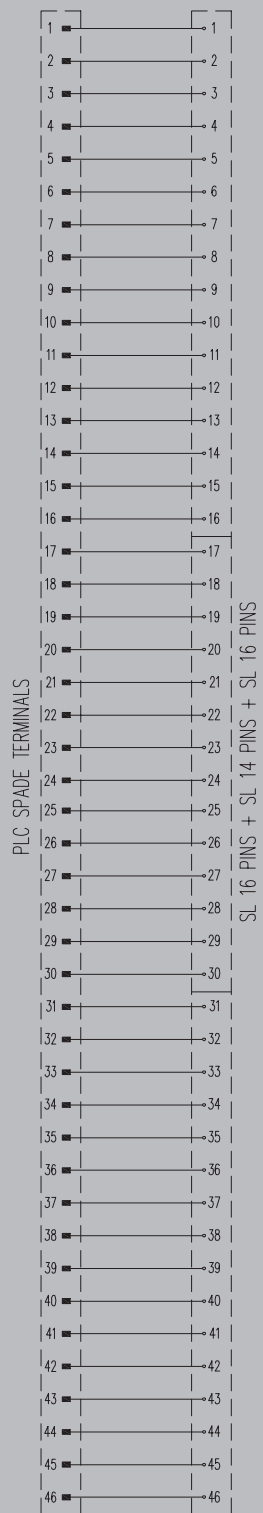
Ordering data

Type	Qty.	Order No.
FAD S5115 SL46 A M	1	2045120000

Note	
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Accessories

Note	
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FAD – front adapters for migrations from Siemens S5-135

The FAD S5-135 front adapters with pre-assembled cables provide safe migration from the old S5-135 to other PLC systems or to the u-remote system from Weidmüller.

- S5-135 card is powered by a single power supply

FAD S5135 HE20 16IO M



Technical data

Connection data	
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 (EN 50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Insulation test voltage	

Plug-in connectors according to IEC 60603-13 / DIN 41651 20p	
30 V AC / 60 V DC	
1 A	
2 A	
3 A	
-25...50°C	
-40...60 °C	
CE	
< 50 V AC	
III	
2	
0.35 kVAC	

Dimensions	
Length / Width / Height	

283 mm / 20 mm / 36.4 mm

Note	
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Ordering data

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Type	Qty.	Order No.
FAD S5135 HE20 16IO R	1	1986040000

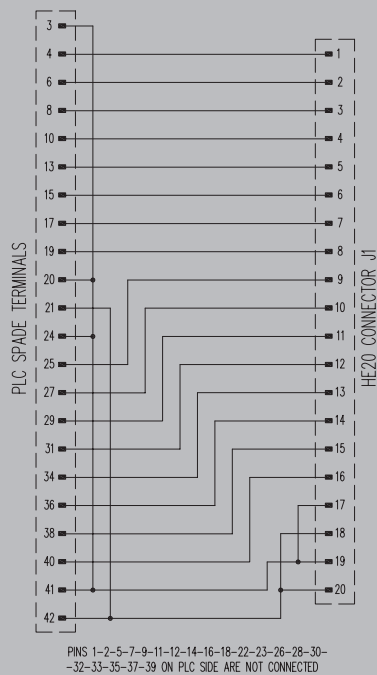
Note	
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Accessories

Note	
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FAD – front adapters for migrations from Siemens S5-135

The FAD S5-135 front adapters with pre-assembled cables provide safe migration from the old S5-135 to other PLC systems or to the u-remote system from Weidmüller.

- S5-135 card is powered by a single power supply

FAD S5135 2XHE20 32IO M



Technical data

Connection data
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 (EN 50178)
Rated insulation voltage
Surge voltage category
Pollution severity level
Insulation test voltage

2 x Connector according IEC 60603-13/DIN 41651 20 p
30 V AC / 60 V DC
1 A
2 A
6 A
-25...50°C
-40...60 °C
CE
< 50 V AC
III
2
0.35 kVAC

Dimensions
Length / Width / Height

283 mm / 20 mm / 36.4 mm

Note

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Ordering data

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Type	Qty.	Order No.
FAD S5135 2XHE20 32IO R	1	1986050000

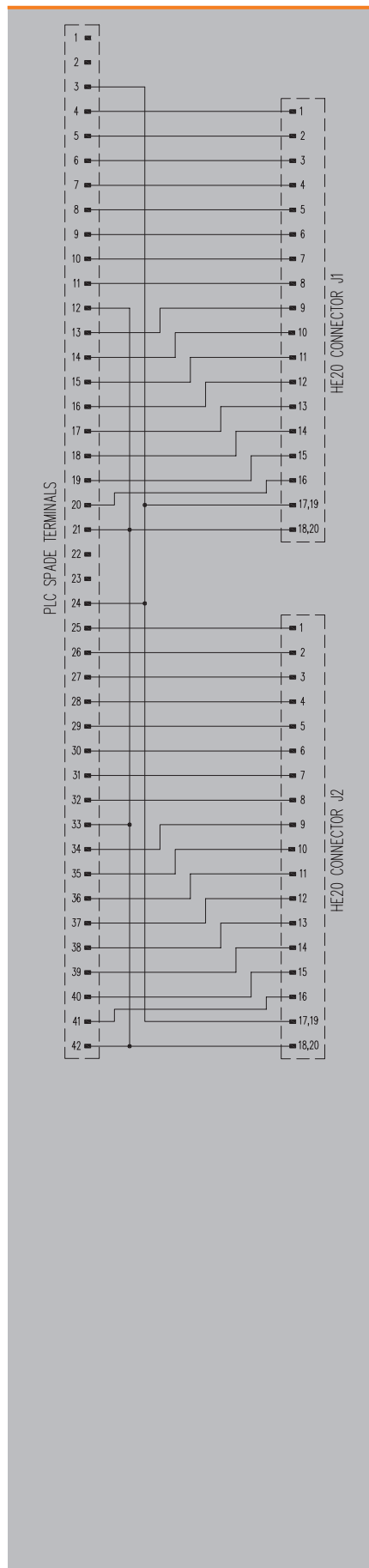
Note

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Accessories

Note

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FAD – front adapters for migrations from Siemens S5-135

The FAD S5-135 front adapters with pre-assembled cables provide safe migration from the old S5-135 to other PLC systems or to the u-remote system from Weidmüller.

- S5-135 card is powered by a single power supply

FAD S5135 SL20 M / SL42 R



Technical data

Connection data	
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 (EN 50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Insulation test voltage	

SL 5.08 mm
250 V AC
1986030000: 6 A;
2435110000: 4 A
32 A
-25...50 °C
-40...60 °C
CE
< 250 V AC
II
2
1.2 kVAC

Dimensions	
Length / Width / Height	

283 mm / 20 mm / 24.7 mm

Note

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Ordering data

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Type	Qty.	Order No.
FAD S5135 SL20 R	1	1986030000
FAD S5135 SL42 A R	1	2435110000

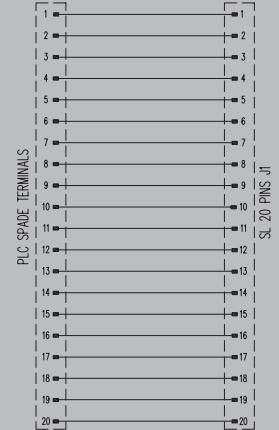
Note

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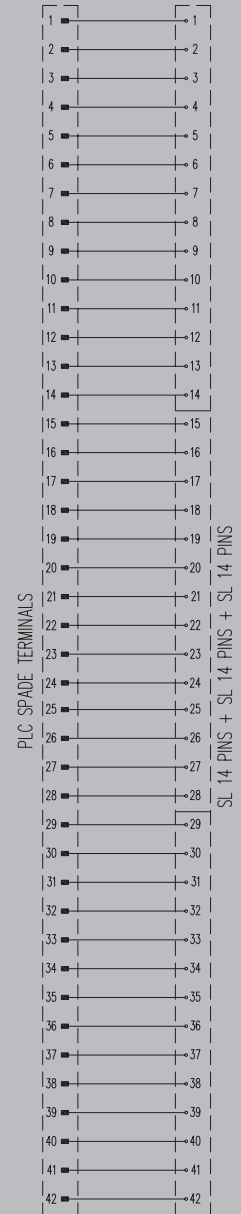
Accessories

Note

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FAD S5135 SL20 R



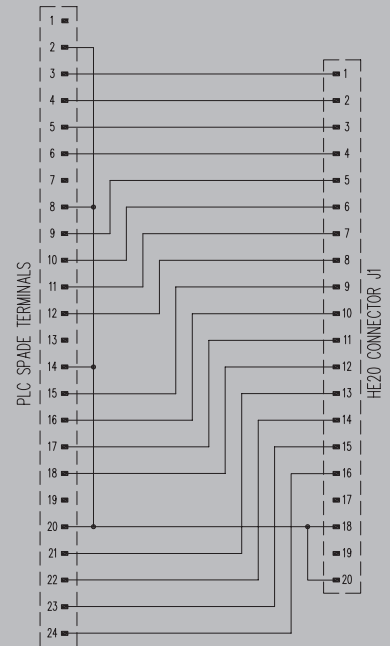
FAD S5135 SL42 A R

FAD – front adapters for migrations from Schneider TSX47

The FAD BLK front adapters with pre-assembled cables provide safe migration from the old TSX47 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD BLK1 HE20 16I M



Technical data

Connection data	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 (EN 50178)	Rated insulation voltage Surge voltage category Pollution severity level Insulation test voltage

Plug-in connectors according to IEC 60603-13 / DIN 41651 20p
30 V AC / 60 V DC
1 A
2 A
3 A
-25...50°C
-40...60 °C
CE
< 50 V AC
III
2
0.35 kVAC

Dimensions
Length / Width / Height

218 mm / 53.6 mm / 36.4 mm

Note

Ordering data

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Type	Qty.	Order No.
FAD BLK1 HE20 16I M	1	1985940000

Note

Accessories

Note

FAD – front adapters for migrations from Schneider TSX – Bridge System

FAD – front adapters for migrations from Schneider TSX47

The FAD BLK front adapters with pre-assembled cables provide safe migration from the old TSX47 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD BLK1 HE20 160 M



Technical data

Connection data	
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 (EN 50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Insulation test voltage	

Plug-in connectors according to IEC 60603-13 / DIN 41651 20p	
30 V AC / 60 V DC	
1 A	
2 A	
3 A	
-25...50°C	
-40...60 °C	
CE	
< 50 V AC	
III	
2	
0.35 kVAC	

Dimensions	
Length / Width / Height	

218 mm / 53.6 mm / 36.4 mm	
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Note	
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Ordering data

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Type	Qty.	Order No.
FAD BLK1 HE20 160 M	1	1985950000

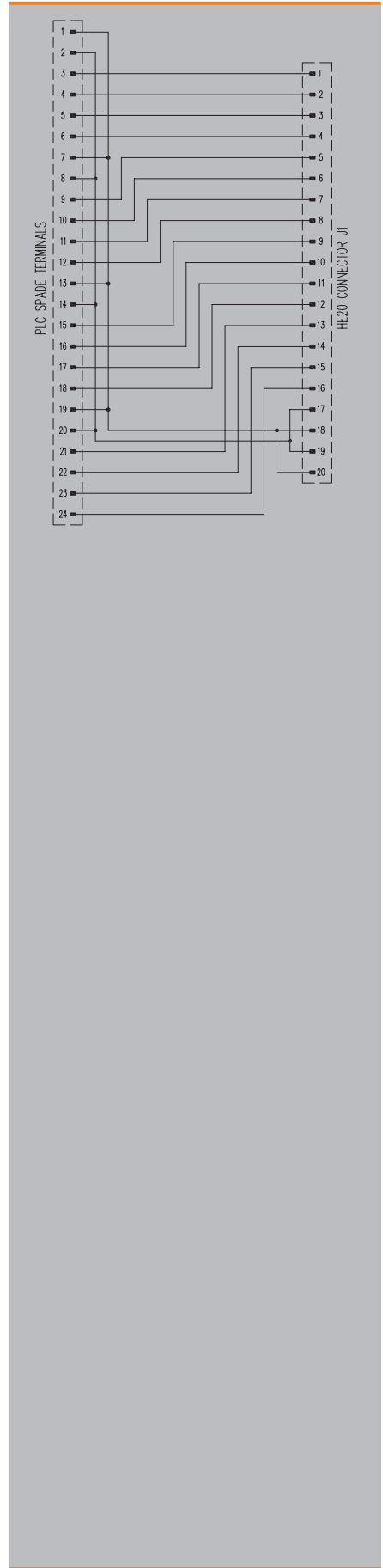
Note	
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Accessories

Note	
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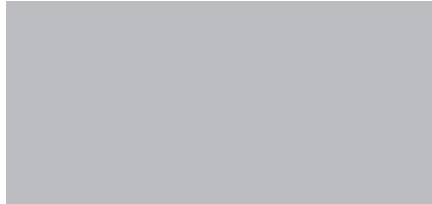


FAD – front adapters for migrations from Schneider TSX47

The FAD BLK front adapters with pre-assembled cables provide safe migration from the old TSX47 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

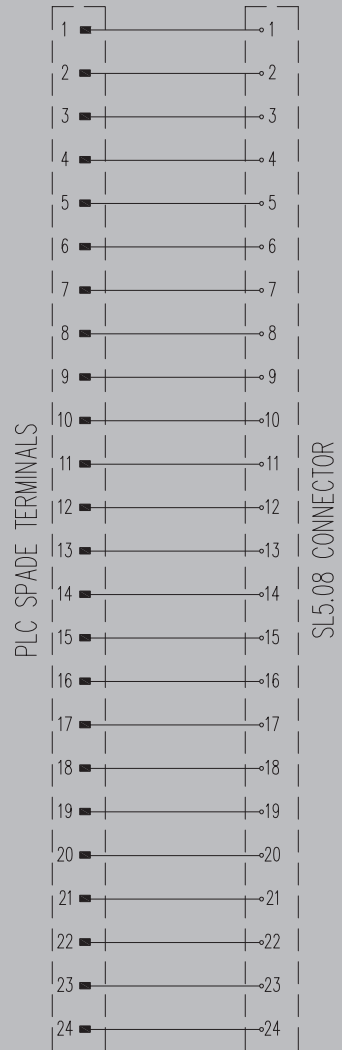
FAD BLK1 SL24 M



Technical data

Connection data	
Connection (field side)	SL 5.08 mm
Rated data	
Operating voltage	250 V AC
Max. current per channel	6 A
Max. current per byte	
Total operating current	32 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 250 V AC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	1.2 kVAC

Dimensions		
Length / Width / Height	218 mm / 53.6 mm / 36.4 mm	
Note		
Ordering data		
Type	Qty.	Order No.
FAD BLK1 SL24 M	1	1985930000
Note		
Accessories		
Note		

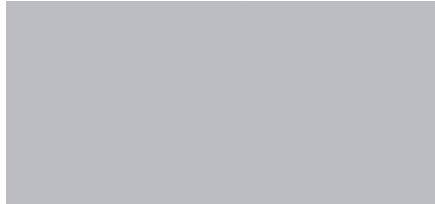
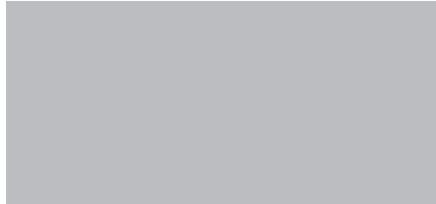


FAD – front adapters for migrations from Schneider TSX47

The FAD BLK front adapters with pre-assembled cables provide safe migration from the old TSX47 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD BLK7 2XHE20 M



Technical data

Connection data	
Connection (field side)	2 x Connector according IEC 60603-13/DIN 41651 20 p
Rated data	
Operating voltage	30 V AC / 60 V DC
Max. current per channel	1 A
Max. current per byte	2 A
Total operating current	6 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 250 V AC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	1.2 kVAC

Dimensions		
Length / Width / Height	218 mm / 53.6 mm / 36.4 mm	
Note		
Ordering data		
Type	Qty.	Order No.
FAD BLK7 2XHE20 M	1	1985960000
Note		
Accessories		
Note		

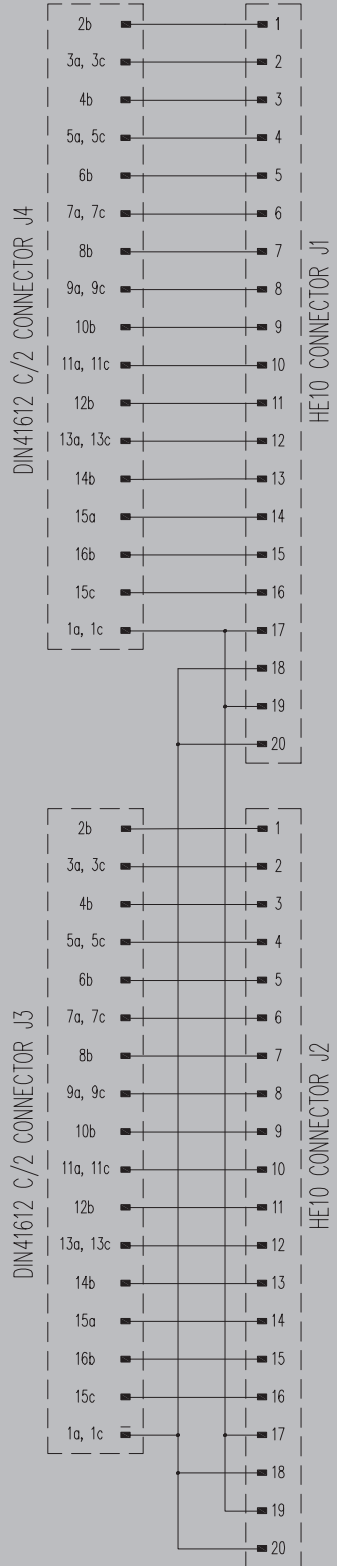
Dimensions	
Length / Width / Height	218 mm / 53.6 mm / 36.4 mm

Note	

Ordering data		
Type	Qty.	Order No.
FAD BLK7 2XHE20 M	1	1985960000

Note	

Accessories	
Note	



FAD – front adapters for migrations from Schneider TSX47

The FAD BLK front adapters with pre-assembled cables provide safe migration from the old TSX47 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD BLK9 2XHE20 M



Technical data

Connection data	
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 (EN 50178)	
Rated insulation voltage	
Surge voltage category	
Pollution severity level	
Insulation test voltage	

2 x Connector according IEC 60603-13/DIN 41651 20 p	
30 V AC / 60 V DC	
1 A	
2 A	
6 A	
-25...50°C	
-40...60 °C	
CE	
< 250 V AC	
III	
2	
1.2 kVAC	

Dimensions	
Length / Width / Height	

218 mm / 53.6 mm / 36.4 mm	
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Note	
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Ordering data

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Type	Qty.	Order No.
FAD BLK9 2XHE20 M	1	1985970000

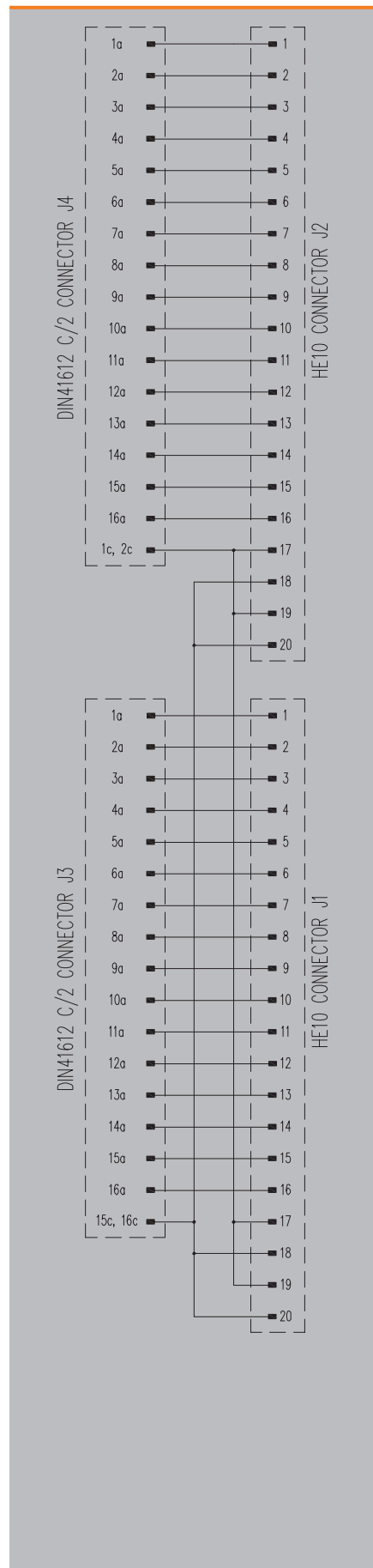
Note	
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Accessories

Note	
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FAD – front adapters for migrations from Schneider TSX47

The FAD BLK front adapters with pre-assembled cables provide safe migration from the old TSX47 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

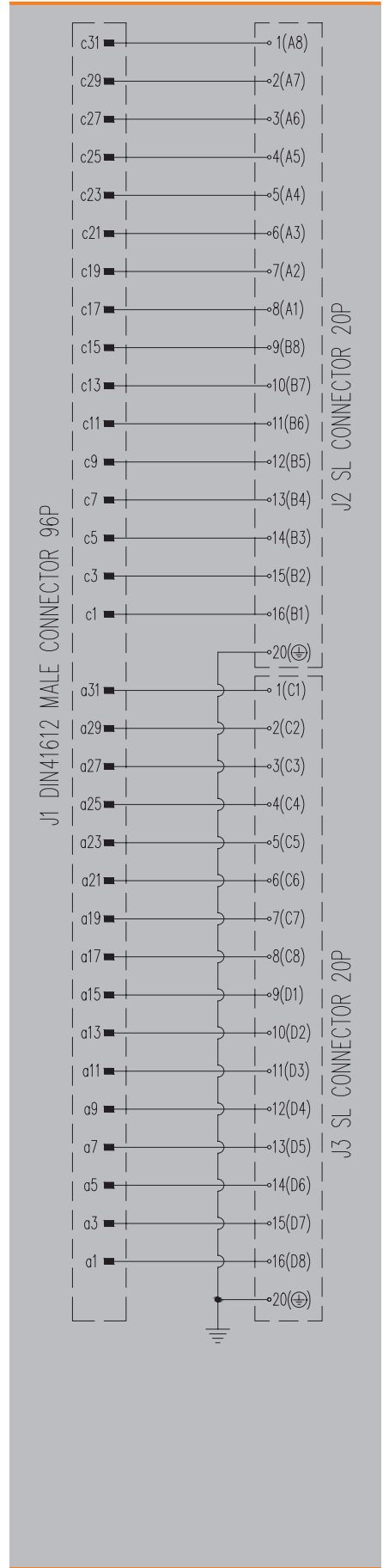
FAD BLK4 2XSL20



Technical data

Connection data	
Connection (field side)	2 x Connector according IEC 60603-13/DIN 41651 20 p
Rated data	
Operating voltage	30 V AC / 60 V DC
Max. current per channel	3 A
Max. current per byte	2 A
Total operating current	6 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	50 V AC / 71 V DC
Surge voltage category	III
Pollution severity level	2
Insulation test voltage	0.56 kVAC / 0.8 kVDC

Dimensions	
Length / Width / Height	218 mm / 53.6 mm / 36.4 mm
Note	
Ordering data	
Note	
Accessories	
Note	

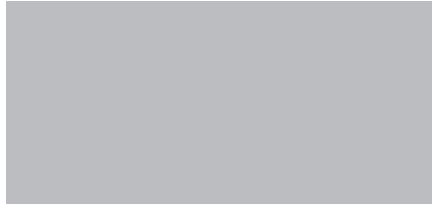
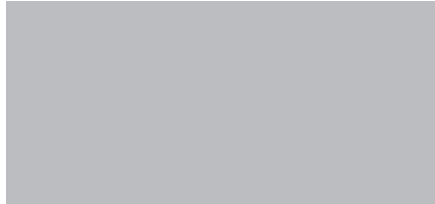


FAD – front adapters for migrations from Rockwell PLC5

The FAD PLC5 front adapters with pre-assembled cables provide safe migration from the old PLC 5 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD 1771-WA/WC/WB/WD



Technical data

Rated data

Operating voltage, max.
Max. current per channel
Total operating current

< 300 V AC
2 A
6 A

General data

Ambient temperature (operational)
Storage temperature
Approvals

-25...50 °C
-40...60 °C
CE

Insulation coordination (EN 50178)

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

< 300 V AC
II
2
1.2 kVAC

Dimensions

Length / Width

269 mm / 32 mm

Note

Ordering data

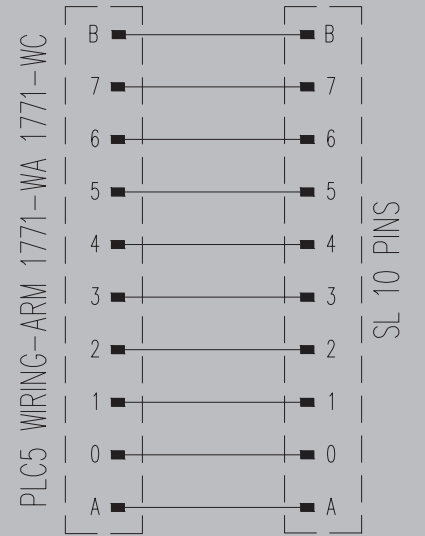
FAD for wiring-arm WA-WC
FAD for wiring-arm WB-WD

Type	Qty.	Order No.
FAD 1771-WA/WC SL10 M	1	2448650000
FAD 1771-WB/WD SL12 M	1	2448680000

Note

Accessories

Note



FAD – front adapters for migrations from Rockwell PLC5

The FAD PLC5 front adapters with pre-assembled cables provide safe migration from the old PLC 5 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD 1771-WG/WH



Technical data

Rated data	
Operating voltage, max.	< 250 V AC
Max. current per channel	2 A
Total operating current	8 A
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 250 V AC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	1.2 kVAC

< 250 V AC
2 A
8 A
-25...50 °C
-40...60 °C
CE
< 250 V AC
II
2
1.2 kVAC

Dimensions
Length / Width

269 mm / 32 mm

Note

Ordering data

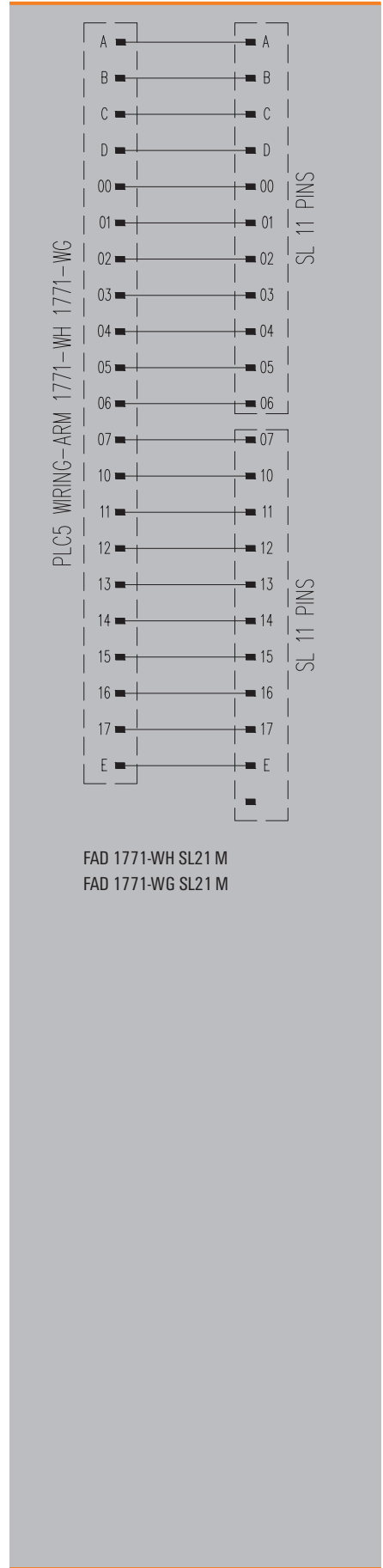
FAD for wiring-arm WH/WHF/WHFR
FAD for wiring-arm WG

Type	Qty.	Order No.
FAD 1771-WH SL21 M	1	2448660000
FAD 1771-WG SL21 M	1	2563110000

Note

Accessories

Note



FAD – front adapters for migrations from Rockwell PLC5

The FAD PLC5 front adapters with pre-assembled cables provide safe migration from the old PLC 5 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD 1771-WF



Technical data

Rated data	
Operating voltage, max.	< 250 V AC
Max. current per channel	2 A
Total operating current	8 A
General data	
Ambient temperature (operational)	-25...50 °C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 250 V AC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	1.2 kVAC

Dimensions	
Length / Width	269 mm / 32 mm

Note	

Ordering data

Type	Qty.	Order No.
FAD for wiring-arm WE/WF/WI	1	2448690000

Note	

Accessories

Note	

FAD – front adapters for migrations from Rockwell PLC5

The FAD PLC5 front adapters with pre-assembled cables provide safe migration from the old PLC 5 to other PLC systems or to the u-remote system from Weidmüller.

- Clip-in foot for TS35

FAD 1771-WN



Technical data

Rated data

Operating voltage, max.
Max. current per channel
Total operating current

< 250 V AC
2 A
8 A

General data

Ambient temperature (operational)
Storage temperature
Approvals

-25...50 °C
-40...60 °C
CE

Insulation coordination (EN 50178)

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

< 250 V AC
II
2
1.2 kVAC

Dimensions

Length / Width

269 mm / 32 mm

Note

Ordering data

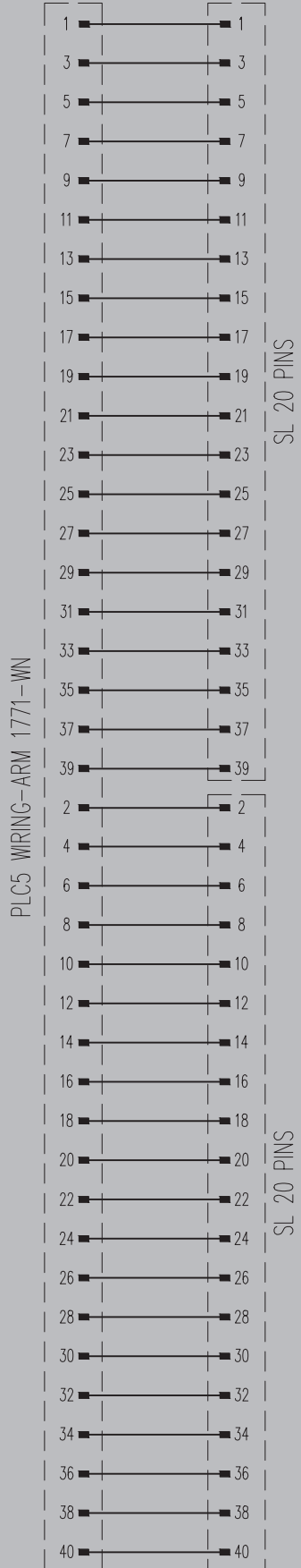
FAD for wiring-arm WN

Type	Qty.	Order No.
FAD 1771-WN 2SL20 M	1	2448670000

Note

Accessories

Note



MIGRATION RACK – Migration accessories

MIGRATION RACK – Migration accessories

- The 19" racks have the same dimensions as the original Siemens or Schneider racks
- The front adapters (FAD) are installed in the bottom section of the rack while the new PLC is located in the top section
- The racks are fitted with a hinge that provides access to the old cabling

MIGRATION RACK S5 115 H



MIGRATION RACK S5 135 H



Technical data

Material
Material

Stainless steel

Stainless steel

G

Dimensions

Length / Width / Height

482.5 mm / 212 mm / 120.6 mm

482.5 mm / 283 mm / 120.6 mm

Note

Ordering data

Type	Qty.	Order No.
MIGRATION RACK S5 115 H	1	1993530000

Type	Qty.	Order No.
MIGRATION RACK S5 135 H	1	1993500000

Note

Accessories

Note

19" Rails: S7-1500 6ES7590-1AE80-0AA0, S7-300 6ES7390-1AE80-0AA0, Premium TSX RKY 12, Weidmüller TS35 2003740000

19" Rails: S7-1500 6ES7590-1AE80-0AA0, S7-300 6ES7390-1AE80-0AA0, Premium TSX RKY 12, Weidmüller TS35 2003740000

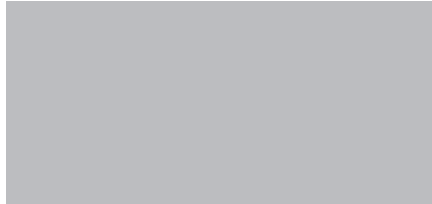
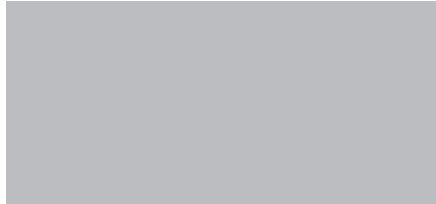
MIGRATION RACK – Migration accessories

- The 19" racks have the same dimensions as the original Siemens, Rockwell or Schneider racks
- The front adapters (FAD) are installed in the bottom section of the rack while the new PLC is located in the top section
- The racks are fitted with a hinge that provides access to the old cabling

MIGRATION RACK TSX7 H



MIGRATION RACK PLC5 H



Technical data

Material
Material

Stainless steel

Stainless steel

Dimensions

Length / Width / Height

482.5 mm / 212 mm / 120.6 mm

500 mm / 327 mm / 115 mm

Note

Ordering data

Type	Qty.	Order No.
MIGRATION RACK TSX7 H	1	1993520000

Type	Qty.	Order No.
MIGRATION RACK PLC5 H	1	2448890000

Note

Accessories

Note

19" Rails: S7-1500 6ES7590-1AE80-0AA0, S7-300 6ES7390-1AE80-0AA0, Premium TSX RKY 12, Weidmüller TS35 2003740000

19" Rails: S7-1500 6ES7590-1AE80-0AA0, S7-300 6ES7390-1AE80-0AA0, Premium TSX RKY 12, Weidmüller TS35 2003740000

MIGRATION RACK - Migration accessories

MIGRATION RACK - Migration accessories

The migration DIN RAIL is placed in the 19" racks to allow the placement of DIN RAIL PLC cards

- TS 35 DIN-RAIL

MIGRATION DIN RAIL TS35



Technical data

Material
Material

Stainless steel

G

Dimensions
Length / Width / Height

399 mm / 81 mm / 35 mm

Note

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Ordering data

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Type	Qty.	Order No.
MIGRATION DIN RAIL TS35	1	2003740000

Note

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Accessories

Note

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Migrate IPC620 / PLC 5 systems in the shortest time possible

Simple control system conversion with IPC620 / PLC 5 Card system

When upgrading obsolete PLC/DCS systems, an increasing number of users are opting to keep their existing wiring. This allows the migration to be performed considerably faster, more efficiently and with fewer errors.

Many users of IPC620 (Honeywell Logic Master) or PLC 5 (Rockwell) will soon have to upgrade their controls. With the system-specific migration system from Weidmüller, the migration to a new system can be completed in just a few hours.

The particular advantage of the Weidmüller migration platform is its clever concept: using a system-specific front adapter, the new PLC/DCS can be connected to the existing field wiring, eliminating the need for time-consuming and costly rewiring.



In many industries, plant operators need to perform PLC system updates without any downtimes. In situations such as these, PLC migration adapters from Weidmüller are the perfect solution.

Your special advantages:

Straightforward PLC/DCS conversion within a few short hours

All components are immediately ready for use following the conversion, and existing field terminations remain grounded. Interlocking plug-in connectors prevent cabling errors. The old rack remain in place simplifying the installation time.

Minimal number of components

Weidmüller's migration solution includes a small number of card adapters with different poles.



PLC interface cables

The Card-Adapters are compatible with PLC/DCS systems from several manufacturers, and can be connected using pre-mounted cables.

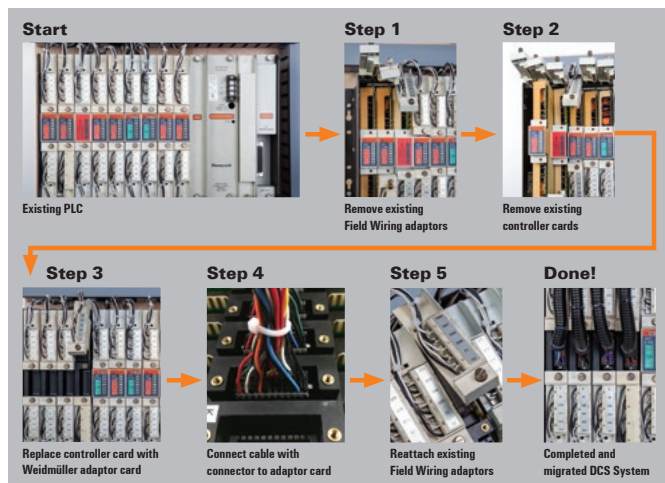


Straightforward migration process

The entire migration process can be performed in just five simple steps.

Global approvals

The card adapters are cURus approved.



Universal card adapters

- Feed through connection
- PLC 5 1771 conversion to pluggable connector(s)
- 10-, 12-, 18-, 21- or 40-point cards

SP-RS PLC PLC5 1771-WA/WC



Technical data

Connection data
Process side
Type
Control side
Type
Rated data
Rated voltage
Max. current per channel
Operating temperature
Storage temperature
Approvals
Standards
Physicals

Card edge fingers on PWB for legacy style connectors
OEM connector
One 3.5 pitch 12-pin SL header
Screw type connection
250 V max., 150 V max. (UR)
5 A
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Note

Cabling not included

Ordering data

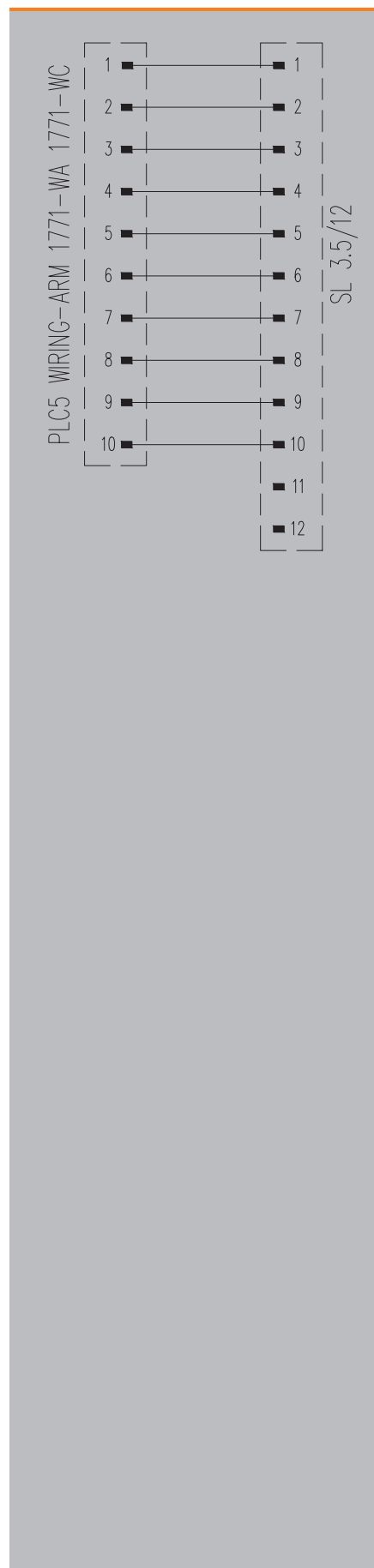
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Type	Qty.	Order No.
SP-RS PLC PLC5 1771-WA/WC	1	6720001398

Note

Accessories

Note



Universal card adapters

- Feed through connection
- PLC 5 1771 conversion to pluggable connector(s)
- 10-, 12-, 18-, 21- or 40-point cards

SP-RS PLC PLC5 1771-WB/WD



Technical data

Connection data
Process side
Type
Control side
Type
Rated data
Rated voltage
Max. current per channel
Operating temperature
Storage temperature
Approvals
Standards
Physicals

Card edge fingers on PWB for legacy style connectors
OEM connector
One 3.5 pitch 12-pin SL header
Screw type connection
250 V max., 150 V max. (UR)
5 A
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Note

Cabling not included

Ordering data

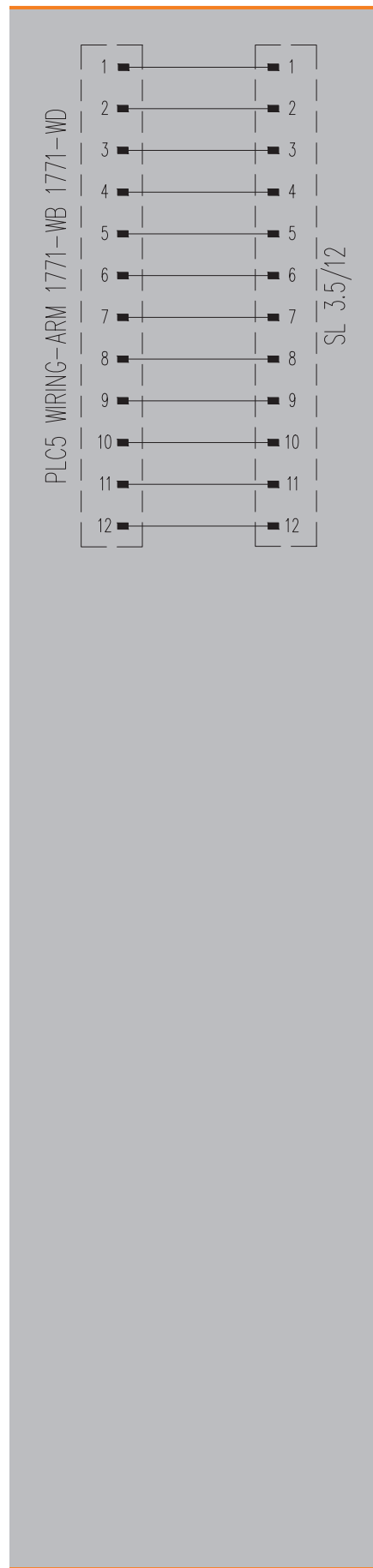
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Type	Qty.	Order No.
SP-RS PLC PLC5 1771-WB/WD	1	6720001397

Note

Accessories

Note



FAD – front adapters for migrations from Rockwell PLC5 – Card System

Universal card adapters

- Feed through connection
- PLC 5 1771 conversion to pluggable connector(s)
- 10-, 12-, 18-, 21- or 40-point cards

SP-RS PLC PLC5 1771-WE/WF/WI



Technical data

Connection data	
Process side	
Type	
Control side	
Type	
Rated data	
Rated voltage	
Max. current per channel	
Operating temperature	
Storage temperature	
Approvals	
Standards	
Physicals	

Card edge fingers on PWB for legacy style connectors
OEM connector
One 3.5 pitch 22-pin SL header
Tension type connection
150 V max.
5 A per point max.
10 A per whole assembly
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Note

Cabling not included

Ordering data

Type	Qty.	Order No.
SP-RS PLC PLC5 1771-WE/WF/WI	1	6720001399

Note

Accessories

Note

PLC5 WIRING-ARM 1771-WE-WF-WI



Universal card adapters

- Feed through connection
- PLC 5 1771 conversion to pluggable connector(s)
- 10-, 12-, 18-, 21- or 40-point cards

SP-RS PLC PLC5 1771-WG/WH/WHF/WHFB



Technical data

Connection data
Process side
Type
Control side
Type
Rated data
Rated voltage
Max. current per channel
Operating temperature
Storage temperature
Approvals
Standards
Physicals

Card edge fingers on PWB for legacy style connectors
OEM connector
One 3.5 pitch 22-pin SL header
Tension type connection
120/240 V max., 103W+G
5 A per point max.
16 A per whole assembly
0...50 °C
0...50 °C
cURus (E141197), CE
Designed to fit in existing I/O rack

Note

Cabling not included

Ordering data

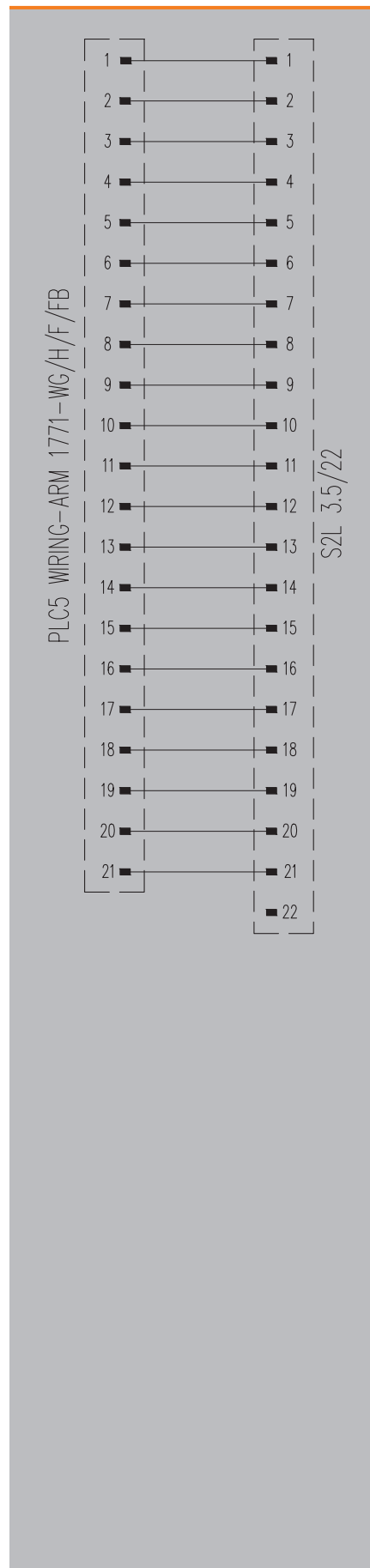
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Type	Qty.	Order No.
SP-RS PLC PLC5 1771-WG/WH/WHF/WHFB	1	6720001396

Note

Accessories

Note



FAD – front adapters for migrations from Rockwell PLC5 – Card System

Universal card adapters

- Feed through connection
- PLC 5 1771 conversion to pluggable connector(s)
- 10-, 12-, 18-, 21- or 40-point cards

SP-RS PLC PLC5 1771-WN



Technical data

Connection data	
Process side	
Type	
Control side	
Type	
Rated data	
Rated voltage	
Max. current per channel	
Operating temperature	
Storage temperature	
Approvals	
Standards	
Physicals	

Card edge fingers on PWB for legacy style connectors
OEM connector
One 3.5 pitch 18-pin + 22-pin SL header
Tension type connection
250 V max., 150 V max. (UR)
5 A per point max.
10 A per whole assembly
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Note

Cabling not included

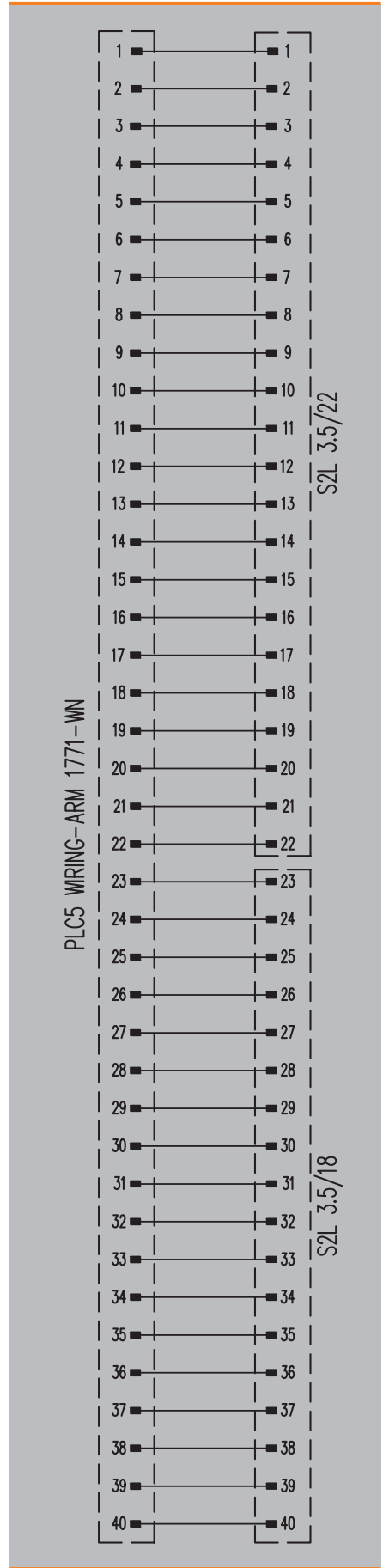
Ordering data

Type	Qty.	Order No.
SP-RS PLC PLC5 1771-WN	1	6720001400

Note

Accessories

Note



Front panel adaptors for migrations from Honeywell IPC620

Feed through connections

- IPC-620 conversion to pluggable connector(s)
- 12-, 22-point cards

IPC620 carrier



Technical data

Rated data
Operating voltage
Max. current per channel
General data
Ambient temperature (operational)
Storage temperature
Approvals
Standards
Physicals

150 V
5 A
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Dimensions
Length / Width / Height

266 mm / 29 mm / 61 mm

Note

Ordering data

12-points (Reference Honeywell TB 621-9949)
22-points (Reference Honeywell TB 621-9950)

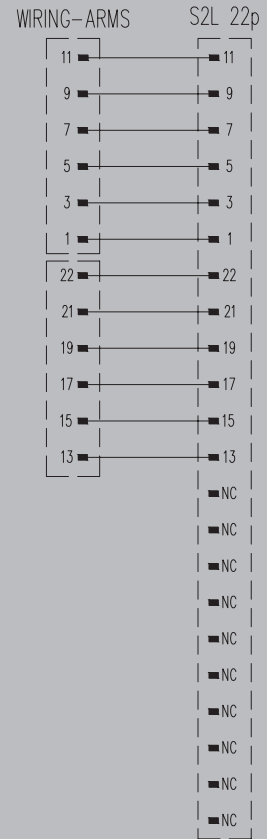
Type	Qty.	Order No.
12-point IPC-620 card adapter	1	6720000787
22-point IPC-620 card adapter	1	6720000788

Note

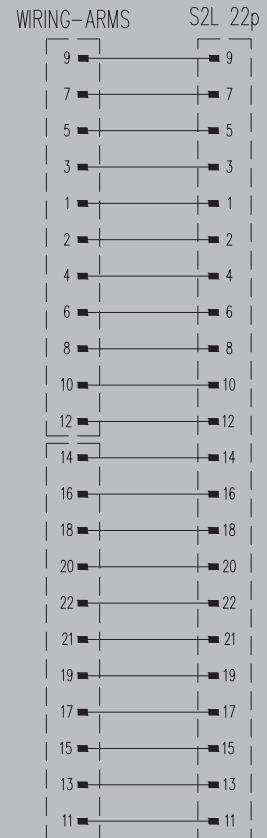
Accessories

Note

12-points IPC620 card adapter



22-points IPC620 card adapter



FAD – front adapters for migrations from Honeywell IPC620 – Card System

Front panel adaptors for migrations from Honeywell IPC620

Feed through connections

- IPC-620 conversion to pluggable connector(s)
- 38-point cards

IPC620 carrier



Technical data

Rated data
Operating voltage
Max. current per channel
General data
Ambient temperature (operational)
Storage temperature
Approvals
Standards
Physicals

125 V
3 A
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Dimensions
Length / Width / Height

266 mm / 29 mm / 126 mm

Note

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Ordering data

38-points (Reference Honeywell TB 621-9977 or -9976)
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Type	Qty.	Order No.
38-point IPC-620 card adapter	1	6720001225

Note

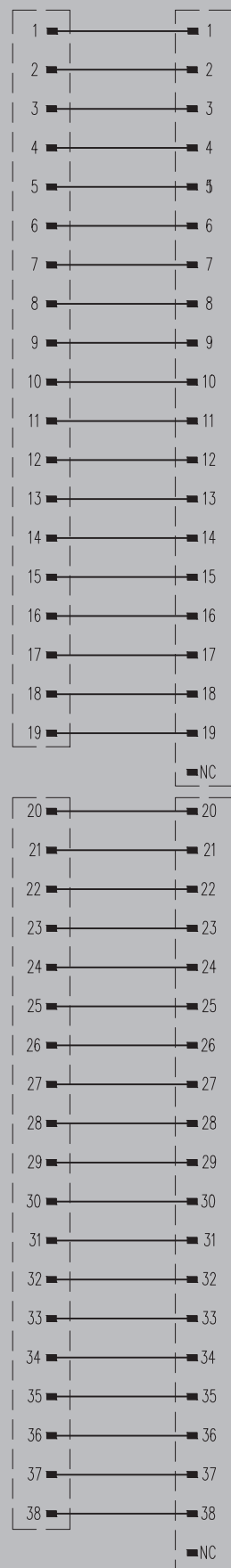
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Accessories

Note

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WIRING-ARMS 2xSL 20p



Front panel adaptors for migrations from Honeywell IPC620

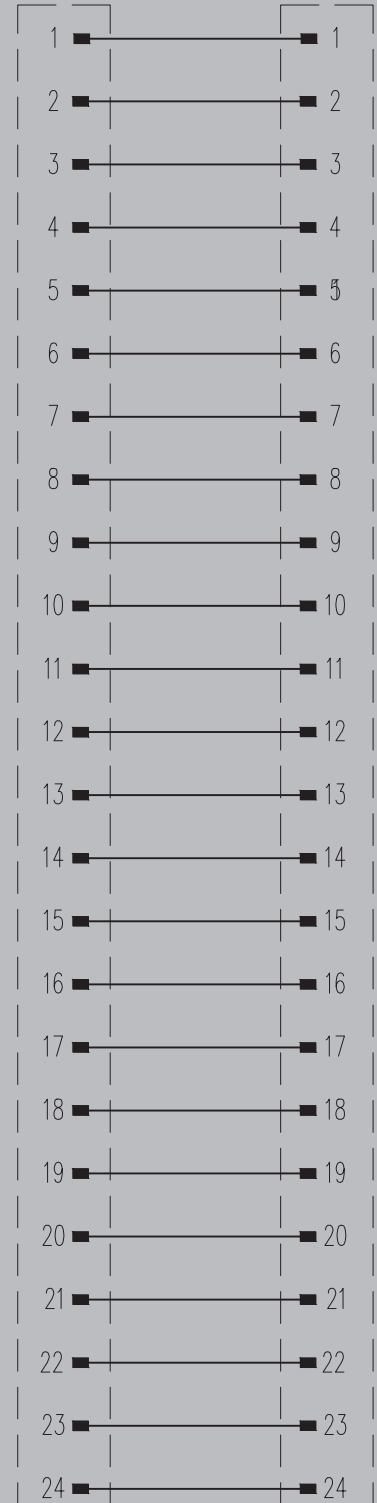
Feed through connections

- IPC-620 conversion to pluggable connector(s)
- 24-point cards

IPC620 carrier



WIRING-ARM S2L 24p



Technical data

Rated data
Operating voltage
Max. current per channel
General data
Ambient temperature (operational)
Storage temperature
Approvals
Standards
Physicals

50 V
3 A
0...50 °C
0...50 °C
cURus (E141197)
Designed to fit in existing I/O rack

Dimensions
Length / Width / Height

266 mm / 29 mm / 50 mm

Note

Ordering data

24-points (Reference Honeywell TB 621-9954)

Type	Qty.	Order No.
24-point IPC-620 card adapter	1	6720001226

Note

Accessories

Note

RS F20 X – Redundancy interfaces

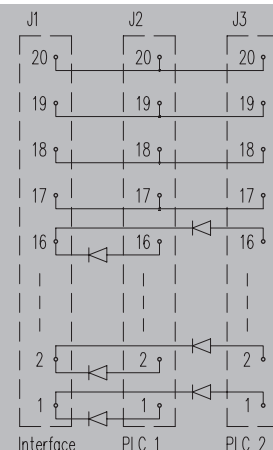
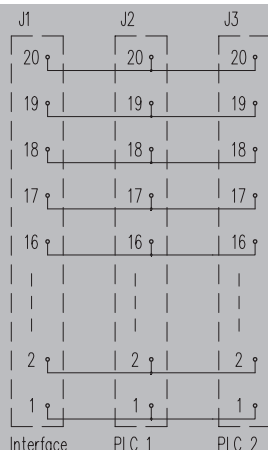
RS F20 X – Redundancy interfaces

- Connection 1 to 1 for input interfaces
- Diode protection for output interfaces

RS F20 X3 IN



RS F20 X3 OUT



Technical data

Connection data	
Connection on control side	
Number of poles (control side)	20-pole
Earthing	No
Rated data	
Rated voltage	50 V AC / 70 V DC
Rated current per connection	0.5 A
Total operating current	3 A
General data	
Ambient temperature (operational)	-25...50°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	50 V AC / 70 V DC
Surge voltage category	II
Pollution severity level	2
Insulation test voltage	0.35 kVAC

Connection data	
3 x connector in accordance with IEC 60603-13 / DIN 41651	
20-pole	
No	
Rated data	
50 V AC / 70 V DC	
0.5 A	
3 A	
General data	
-25...50°C	
-40...60 °C	
CE	
Insulation coordination (EN 50178)	
50 V AC / 70 V DC	
II	
2	
0.35 kVAC	

Connection data	
3 x connector in accordance with IEC 60603-13 / DIN 41651	
20-pole	
No	
Rated data	
50 V AC / 70 V DC	
0.5 A	
3 A	
General data	
-25...50°C	
-40...60 °C	
CE	
Insulation coordination (EN 50178)	
50 V AC / 70 V DC	
II	
2	
0.35 kVAC	

Dimensions

Mounting rail	TS 35, TS 32
Width / Height	70 / 50 mm

TS 35, TS 32	
70 / 50 mm	

TS 35, TS 32	
70 / 50 mm	

Note

Ordering data

Without diodes	
With diodes	

Type	Length	Order No.
RS F20 X3 IN	40 mm	1461210000

Type	Length	Order No.
RS F20 X3 OUT	65 mm	1461220000

Note

Accessories

Note	
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Note	
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Note	
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Card holders

Card holders	Introduction	H.2
	Card holders	H.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:
 - Plug-in connectors acc. IEC 603/DIN 41612 and DIN 41617
 - Weidmüller terminals for screw connection



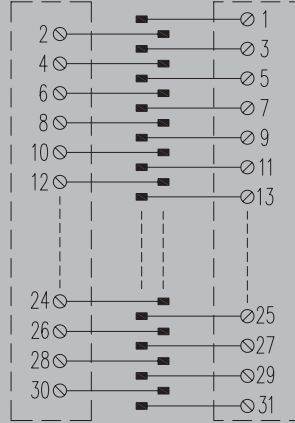
Card holders

SKH2 Card holders

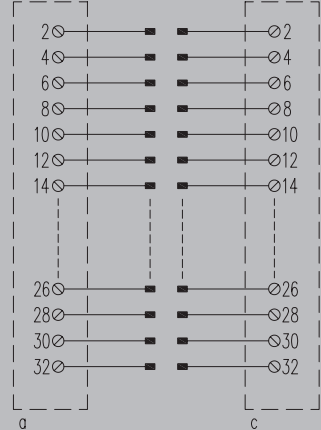
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on rail TS 35 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 (EN 50178)

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

125V AC / 150V DC
 4 A

0...55°C
 -40...60 °C
 CE

< 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

250 V
 II
 2
 2.1 kV

Dimensions

Clamping range, min./max. (field)
 Length x width x height

0.13 mm² / 6 mm²
 60.7 mm / 160 mm / 192.5 mm

0.13 mm² / 6 mm²
 55 mm / 160 mm / 192.5 mm

Note

Ordering data

Type	Qty.	Order No.
SKH2 31 LP	1	8174800000

Type	Qty.	Order No.
SKH2 D32 LP	1	8174830000

Note

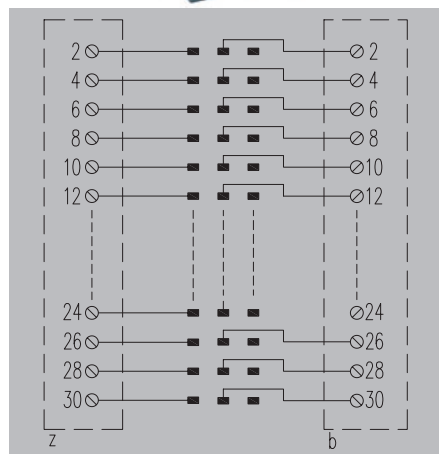
Accessories

Note

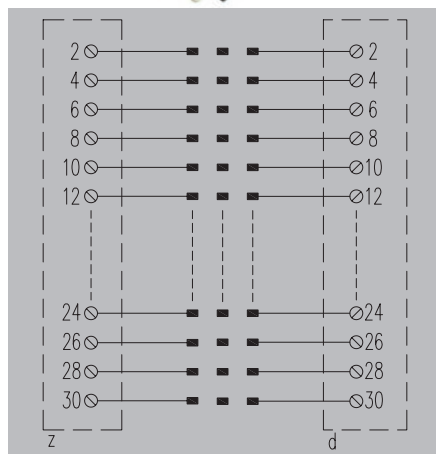
Kit for connection to TS35 8209340000

Kit for connection to TS35 8209340000

SKH2 F32 Z+B



SKH2 F32 Z+D



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
250 V
II
2
2.1 kV

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
250 V
II
2
2.1 kV

0.13 mm ² / 6 mm ²
80.7 mm / 160 mm / 192.5 mm

0.13 mm ² / 6 mm ²
80.7 mm / 160 mm / 192.5 mm

Type	Qty.	Order No.
SKH2 F32 (Z+B) LPP	1	8174850000

Type	Qty.	Order No.
SKH2 F32 (Z+D) LP	1	8174860000

Kit for connection to TS35 8209340000

Kit for connection to TS35 8209340000

Card holders

SKH

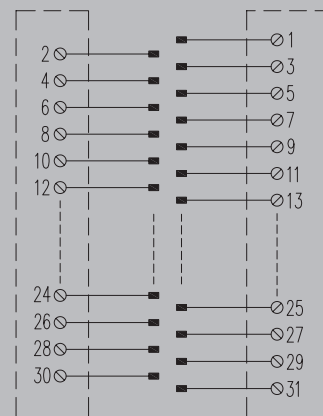
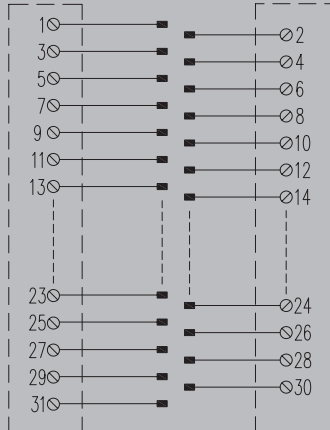
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on rail TS 35 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 (EN 50178)

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

125V AC / 150V DC
 4 A

0...55°C
 -40...60 °C
 CE

< 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

250 V
 II
 2
 2.1 kV

Dimensions

Clamping range, min./max. (field)
 Length x width x height

0.13 mm² / 6 mm²
 47.5 mm / 131 mm / 144 mm

0.13 mm² / 6 mm²
 47.5 mm / 131 mm / 144 mm

Note

Ordering data

1 clamping bracket
 2 clamping brackets

Type	Qty.	Order No.
SKH 31 LP RH1	1	0586661001

Type	Qty.	Order No.
SKH 31 LP 250VAC RH1	1	0648661001

Note

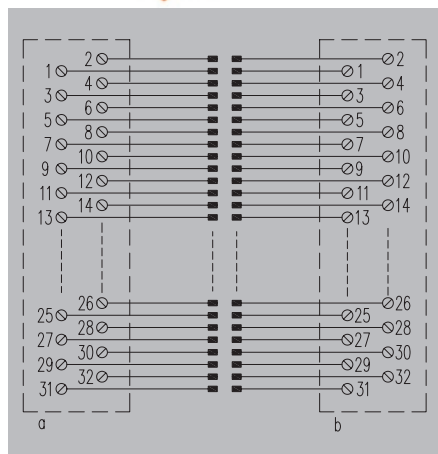
Accessories

Note

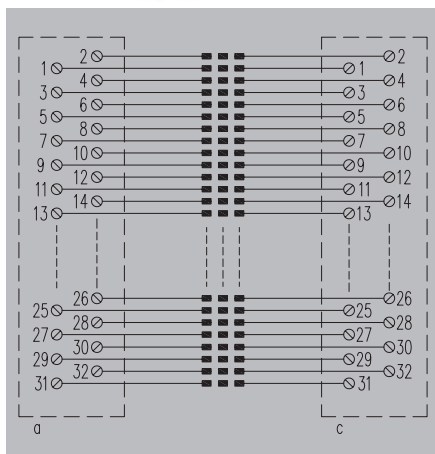
Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000

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

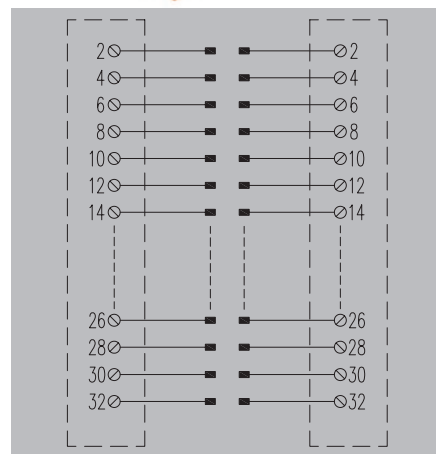
SKH B64



SKH C64



SKH D32



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

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

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
250 V
II
2
2.1 kV
0.13 mm ² / 6 mm ²
50.8 mm / 131 mm / 144 mm

Type	Qty.	Order No.
SKH B64 RH2	1	0577360000

Type	Qty.	Order No.
SKH C64 RH2	1	0646660000
SKH C64 RH2	1	0178960000

Type	Qty.	Order No.
SKH D32 LP 5/16 RH2	1	0586761001

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

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

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

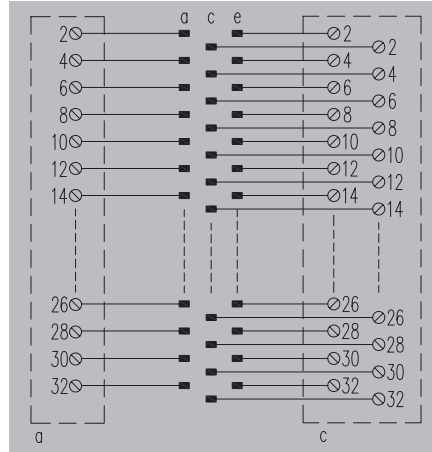
Card holders

SKH

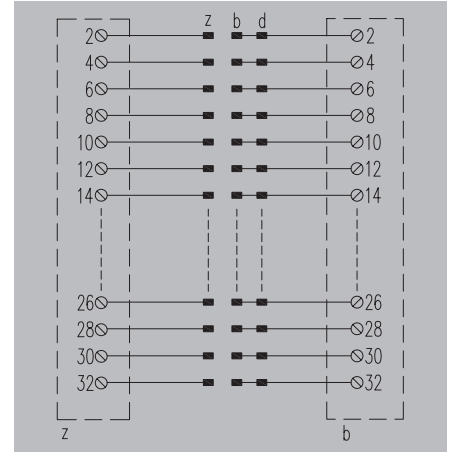
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on rail TS 35 with accessories

SKH E48



SKF F32 Z+B



Technical data

Connection data	
Connection on control side	Plug-in connector, acc. to DIN 41612 female
Type (control side)	48E
Number of poles (control side)	48-pole female
Contact assembly	e, c, a
Design of the pluggable board	100x160 mm euro format for 19" racks
Rated data	
Rated voltage	125V AC / 150V DC
Rated current per connection	4 A
General data	
Ambient temperature (operational)	0...55°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	< 150 V AC
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 kV

Connection data	
Plug-in connector, acc. to DIN 41612 female	32F
Number of poles	32-pole female
Contact assembly	z and b
Design of the pluggable board	100x160 mm euro format for 19" racks
Rated data	
Rated voltage	250 V UC
Rated current per connection	4 A
General data	
Ambient temperature (operational)	0...55°C
Storage temperature	-40...60 °C
Approvals	CE
Insulation coordination (EN 50178)	
Rated insulation voltage	250 V
Surge voltage category	II
Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.1 kV

Dimensions

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Length x width x height	69 mm / 131 mm / 144 mm

Clamping range, min./max. (field)	0.13 mm ² / 6 mm ²
Length x width x height	50.8 mm / 131 mm / 144 mm

Note

Ordering data

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

SKF F32 (Z&B) LP RH2	Qty. 1	Order No. 0586861001

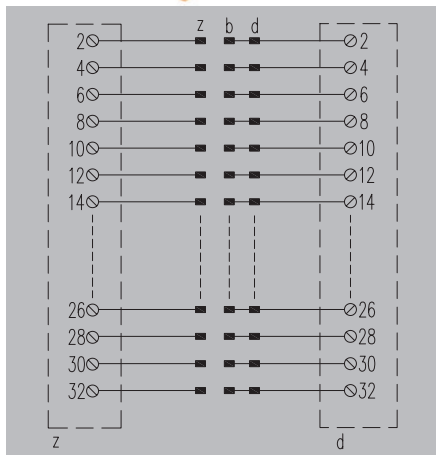
Note

Accessories

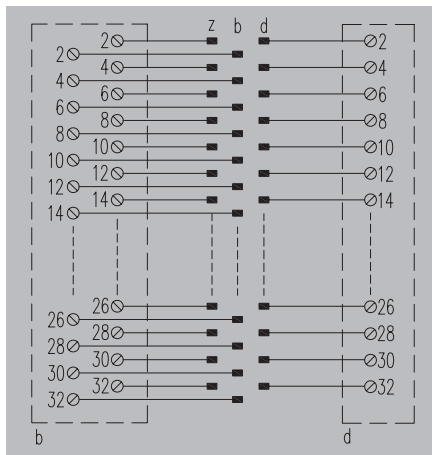
Note	Kit for connection to TS35. Installation motherboard 2054280000 and mounting foot to TS35 0687900000
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Note	Kit for connection to TS35. Installation motherboard 2054280000 and mounting foot to TS35 0687900000
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SKF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



SKH F48



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
250 V
II
2
2.1 kV

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

Type	Qty.	Order No.
SKH F32 (Z&D) LP RH2	1	0586961001

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

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

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

Type	Qty.	Order No.
SKH F48	1	0587060000

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

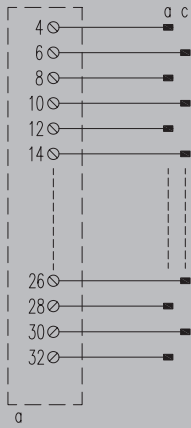
Card holders

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 rail TS 35 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

Plug-in connector, acc. to DIN 41612 female
 15H
 15-pole female
 a and c
 100x160 mm euro format for 19" racks

Rated data

Rated voltage
 Rated current per connection

250 V UC
 10 A

General data

Ambient temperature (operational)
 Storage temperature
 Approvals

0...55°C
 -40...60 °C
 CE

Insulation coordination (EN 50178)

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

250 V
 II
 2
 2.1 kV

Dimensions

Clamping range, min./max. (field)
 Length x width x height

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

Note

Ordering data

1 clamping bracket
 2 clamping brackets

Type	Qty.	Order No.
SKH H15S	1	8051300000

Note

Accessories

Note

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

SKH x 2

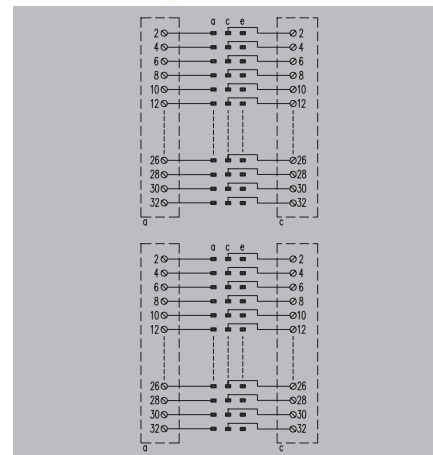
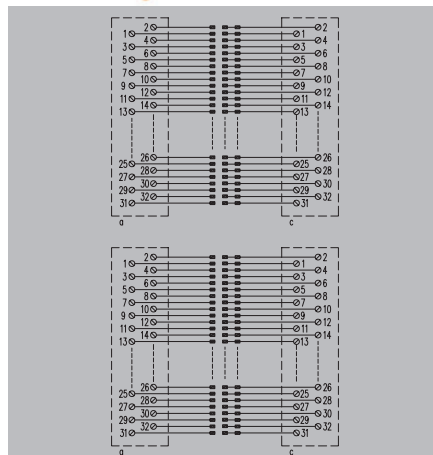
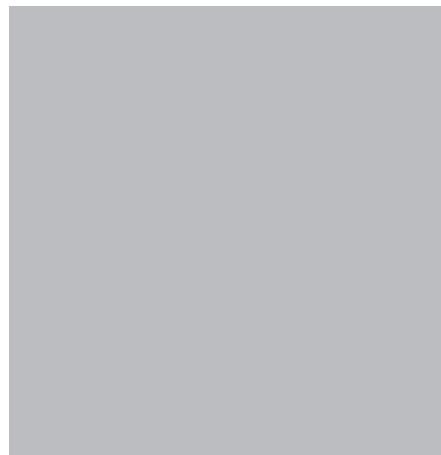
Card holders are used for adapting Euro cards (19") to plug connectors to IEC 603/DIN 41612 and DIN 41617.

- Screw connection
- Installed on rail TS 35 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 (EN 50178)	
Rated insulation voltage	
Surge voltage category	
Pollution degree	
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
125V AC / 150V DC
1 A
0...55°C
-40...70 °C
CE
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
125V AC / 150V DC
4 A
0...55°C
-40...70 °C
CE
125 V AC
II
2
1.1 kV

Dimensions

Clamping range, min./max. (field)
Length x width x height

0.13 mm ² / 6 mm ²
69 mm / 286 mm / 144 mm

0.13 mm ² / 6 mm ²
69 mm / 286 mm / 144 mm

Note

Ordering data

1 clamping bracket

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

Type	Qty.	Order No.
SKH D32*2 LP5.08/16 RH2	1	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

Service and support

Service and support	Our expertise for your requirements	V.2
	Benefit from optimum support when using our products	V.4

Our expertise for your requirements

Service connects - worldwide

Automation technology functions are becoming more complex in a globally-oriented world facing ambitious targets in terms of energy efficiency and smart production. We are your equal partners for the best connections in Industrial Connectivity. Our worldwide network of industrial managers for machine construction, process automation, energy and traffic engineering and for device manufacturers know the challenges you face and can support you in your specific applications.

Training course on technologies, applications and the detailed functionality of our products is available to you locally or at our headquarter in Germany. Our personal support can answer any questions reliably and expertly. Our online services are available 365 day a year around the clock to provide answers to your questions on our products - from user documentation through software to planning tools.

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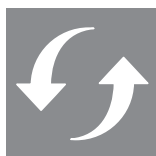
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RS 3210 1W I R S	9441870000	A.48	RS PLC IPC-620 24-points	6720001226	G.53	RSM-16 12V+ 1C0 S	1448230000	E.10	RSM4 24V+ 2C0 Z	1448680000	E.6
RS 3210 2W R S	9441710000	A.35	RS PLC IPC-620 24-points	6720001226	G.54	RSM-16 12V+ 1C0 Z	1448250000	E.10	RSM4 24V+ BASE S	1457430000	E.6
RS 3210 2W R S	9441710000	A.49	RS PLC IPC-620 24-points	6720001226	G.55	RSM-16 12V+ 2C0 S	1449170000	E.10	RSM4 24V+ BASE Z	1457440000	E.6
RS 3210 2W R S	9441710000	A.35	RS PLC IPC-620 24-points	6720001226	G.56	RSM-16 12V+ 2C0 Z	1449190000	E.10	RSM4 24V- 1C0 S	1447450000	E.6
RS 3210 2W I R S	9441570000	A.49	RS PLC IPC-620 24-points	6720001226	G.57	RSM-16 12V- 1C0 S	1448240000	E.10	RSM4 24V- 1C0 Z	1447480000	E.6
RS 4A10 DP SD S	9448000000	A.51	RS PLC IPC-620 24-points	6720001226	G.58	RSM-16 12V- 1C0 Z	1448270000	E.10	RSM4 24V- 2C0 S	1448670000	E.6
RS 4A10 DP SD S	9448000000	A.52	RS PLC IPC-620 24-points	6720001226	G.59	RSM-16 12V- 2C0 S	1449180000	E.10	RSM4 24V- 2C0 Z	1448690000	E.6
RS 4A10 DP SD Z	1308230000	A.51	RS PLC IPC-620 24-points	6720001226	G.60	RSM-16 12V- 2C0 Z	1449200000	E.10	RSM4 24VAC/DC 1C0 S	1447540000	E.6
RS 4A10 DP SD Z	1308230000	A.52	RS PLC IPC-620 24-points	6720001226	G.61	RSM-16 230VAC 1C0 S	1448410000	E.10	RSM4 24VAC/DC 1C0 Z	1447550000	E.6
RS 4A10 DP-M258 SD S	1289090000	A.51	RS PLC IPC-620 24-points	6720001226	G.62	RSM-16 230VAC 1C0 Z	1448420000	E.10	RSM4 24VAC/DC 2C0 S	1447470000	E.6
RS 4A10 DP-M258 SD S	1289090000	A.53	RS PLC IPC-620 38-points	6720001225	G.42	RSM-16 230VAC 2C0 S	1449350000	E.10	RSM4 24VAC/DC 2C0 Z	1448770000	E.6
RS 4A10 HM-DP SD S	9448100000	A.51	RS RJ45	8611320000	D.11	RSM-16 230VAC 2C0 Z	1449370000	E.10	RSM4 48V+ 1C0 S	1447500000	E.6
RS 4A10 HM-DP SD S	9448100000	A.52	RS RJ45 2WAY	8555440000	D.11	RSM-16 24V+ 1C0 S	1448280000	A.61	RSM4 48V+ 1C0 Z	1447520000	E.6
RS 4A10 HM-DP SD Z	1308240000	A.51	RS SD15 BZ	8537400000	D.8	RSM-16 24V+ 1C0 S	1448280000	A.73	RSM4 48V+ 2C0 S	1448700000	E.6
RS 4A10 HM-DP SD Z	1308240000	A.52	RS SD15 SZ	8537390000	A.51	RSM-16 24V+ 1C0 Z	1448280000	E.10	RSM4 48V+ 2C0 Z	1448720000	E.6
RS 8AI PREM/APR SD S	9448030000	A.51	RS SD15 SZ	8537390000	D.8	RSM-16 24V+ 1C0 Z	1448300000	A.61	RSM4 48V- 1C0 S	1447510000	E.6
RS 8AI PREM/APR SD S	9448030000	A.55	RS SD15B LP3R	8019890000	D.9	RSM-16 24V+ 1C0 Z	1448300000	A.73	RSM4 48V- 1C0 Z	1447530000	E.6
RS 8AI1A0 MICRO SD S	9448040000	A.51	RS SD15B UNC 4.40 LP2N	8005211001	D.8	RSM-16 24V+ 1C0 Z	1448300000	E.10	RSM4 48V- 2C0 S	1448710000	E.6
RS 8AI1A0 MICRO SD S	9448040000	A.55	RS SD15B UNC LPK2	8029730000	D.9	RSM-16 24V+ 2C0 S	1449210000	A.61	RSM4 48V- 2C0 Z	1448730000	E.6
RS 8A10 DP SD S	9448010000	A.51	RS SD15F HD UNC4.40 S	1428130000	D.10	RSM-16 24V+ 2C0 S	1449210000	A.76	RSM41 24V+ 1C0 S	1447740000	E.6
RS 8A10 DP SD S	9448010000	A.54	RS SD15M HD UNC4.40 S	1428080000	D.10	RSM-16 24V+ 2C0 S	1449210000	E.10	RSM41 24V+ 1C0 Z	1447750000	E.6
RS 8A10 DP SD Z	1308250000	A.51	RS SD15S LP3R	8019940000	D.9	RSM-16 24V+ 2C0 Z	1449230000	A.61	RSM41 24V+ 2C0 S	1448820000	E.6
RS 8A10 DP SD Z	1308250000	A.54	RS SD15S UNC 4.40 LP2N	8005201001	A.51	RSM-16 24V+ 2C0 Z	1449230000	A.76	RSM41 24V+ 2C0 Z	1448830000	E.6
RS 8A10 HM-DP SD S	9448110000	A.51	RS SD15S UNC 4.40 LP2N	8005201001	D.8	RSM-16 24V+ 2C0 Z	1449230000	E.10	RSM8 115VAC/DC 1C0 S	1447890000	E.8
RS 8A10 HM-DP SD S	9448110000	A.54	RS SD15S UNC LPK2	8233350000	D.9	RSM-16 24V+ BASE S	1448480000	A.61	RSM8 115VAC/DC 1C0 Z	1447990000	E.8
RS 8A10 HM-DP SD Z	9449110000	A.51	RS SD25 BZ	8537380000	D.8	RSM-16 24V+ BASE S	1448480000	A.81	RSM8 115VAC/DC 2C0 S	1449050000	E.8
RS 8A10 HM-DP SD Z	9449110000	A.54	RS SD25 SZ	8537370000	A.51	RSM-16 24V+ BASE S	1448480000	E.10	RSM8 115VAC/DC 2C0 Z	1449070000	E.8
RS ELOC 20/20LM S	1126630000	D.12	RS SD25 SZ	8537370000	D.8	RSM-16 24V+ BASE Z	1448490000	A.61	RSM8 12V+ 1C0 S	1447820000	E.8
RS ELOC 20/20RM S	1126610000	D.12	RS SD25B LP3R	8019900000	D.9	RSM-16 24V+ BASE Z	1448490000	A.81	RSM8 12V+ 1C0 Z	1447840000	E.8
RS ELOC 38/38LM S	1126670000	D.12	RS SD25B UNC 4.40 LP2N	8005191001	D.8	RSM-16 24V+ BASE Z	1448490000	E.10	RSM8 12V+ 2C0 S	1448890000	E.8
RS ELOC 38/38RM S	1126650000	D.12	RS SD25B UNC LPK2	8155620000	D.9	RSM-16 24V- 1C0 S	1448290000	A.61	RSM8 12V+ 2C0 Z	1448910000	E.8
RS ELOC 56/32LM S	1126710000	D.12	RS SD25S LP3R	8019950000	D.9	RSM-16 24V- 1C0 S	1448290000	A.83	RSM8 12V- 1C0 S	1447830000	E.8
RS ELOC 56/32RM S	1126690000	D.12	RS SD25S UNC 4.40 LP2N	8005181001	A.51	RSM-16 24V- 1C0 S	1448290000	E.10	RSM8 12V- 1C0 Z	1447850000	E.8
RS ELOC 56/54LM S	1126750000	D.12	RS SD25S UNC 4.40 LP2N	8005181001	D.8	RSM-16 24V- 1C0 Z	1448310000	A.83	RSM8 12V- 2C0 S	1448920000	E.8
RS ELOC 56/54RM S	1126730000	D.12	RS SD25S UNC LPK2	8155650000	D.9	RSM-16 24V- 1C0 Z	1448310000	E.10	RSM8 12V- 2C0 Z	1448920000	E.8
RS ELOC 56/56LM S	1126790000	D.12	RS SD26F HD UNC4.40 S	1428140000	D.10	RSM-16 24V- 1C0 Z	1448310000	E.10	RSM8 230VAC 1C0 S	1448000000	E.8
RS ELOC 56/56RM S	1126770000	D.12	RS SD26M HD UNC4.40 S	1428090000	D.10	RSM-16 24V- 2C0 S	1449220000	A.61	RSM8 230VAC 1C0 Z	1448010000	E.8
RS ELOC 90/90LM S	1126870000	D.12	RS SD37 BZ	8537250000	D.8	RSM-16 24V- 2C0 S	1449220000	A.84	RSM8 230VAC 2C0 S	1449080000	E.8
RS ELOC 90/90RM S	1126810000	D.12	RS SD37 SZ	8537240000	A.51	RSM-16 24V- 2C0 Z	1449220000	E.10	RSM8 230VAC 2C0 Z	1449090000	E.8
RS ELOCDF 20/20LM S	1480750000	D.13	RS SD37 SZ	8537240000	D.8	RSM-16 24V- 2C0 Z	1449250000	A.61	RSM8 24V+ 1C0 S	1447870000	E.8
RS ELOCDF 20/20RM S	1480740000	D.13	RS SD37B LP3R	8019910000	D.9	RSM-16 24V- 2C0 Z	1449250000	A.84	RSM8 24V+ 1C0 Z	1447890000	E.8
RS ELOCDF 38/38LM S	1480770000	D.13	RS SD37B UNC 4.40 LP2N	8003891001	D.8	RSM-16 24V- 2C0 Z	1449250000	E.10	RSM8 24V+ 2C0 S	1448930000	E.8
RS ELOCDF 38/38RM S	1480760000	D.13	RS SD37B UNC LPK2	8155630000	D.9	RSM-16 24VAC/DC 1C0 S	1448370000	E.10	RSM8 24V+ 2C0 Z	1448950000	E.8
RS ELOCDF 56/56LM S	1480790000	D.13	RS SD37S LP3R	8019960000	D.9	RSM-16 24VAC/DC 1C0 Z	1448380000	E.10	RSM8 24V+ BASE S	1457370000	E.8
RS ELOCDF 56/56RM S	1480780000	D.13	RS SD37S UNC 4.40 LP2N	8003881001	A.51	RSM-16 24VAC/DC 2C0 S	1449310000	E.10	RSM8 24V+ BASE Z	1457380000	E.8
RS F10 LP2N 5/10	0224961001	D.6	RS SD37S UNC 4.40 LP2N	8003881001	D.8	RSM-16 24VAC/DC 2C0 Z	1449320000	E.10	RSM8 24V- 1C0 S	1447880000	E.8
RS F10 LP3R 3/12	8012850000	D.7	RS SD37S UNC LPK2	8155660000	D.9	RSM-16 24VDC 1NO + C S	1448450000	A.61	RSM8 24V- 1C0 Z	1447900000	E.8
RS F10 LPK 2H/12	8155610000	D.7	RS SD44F HD UNC4.40 S	1428150000	D.10	RSM-16 24VDC 1NO + C S	1448450000	A.80	RSM8 24V- 2C0 S	1448940000	E.8
RS F10 Z	8537190000	D.6	RS SD44M HD UNC4.40 S	1428110000	D.10	RSM-16 24VDC 1NO + C Z	1448470000	A.61	RSM8 24V- 2C0 Z	1448970000	E.8
RS F14 LP2N 5/14	0225061001	D.6	RS SD50 BZ	8537360000	D.8	RSM-16 24VDC 1NO + C Z	1448470000	A.80	RSM8 24VAC/DC 1C0 S	1447950000	E.8
RS F14 LP3R 3/14	8012860000	D.7	RS SD50 SZ	8537350000	D.8	RSM-16 48V+ 1C0 S	1448320000	E.10	RSM8 24VAC/DC 1C0 Z	1447970000	E.8
RS F14 LPK 2H/16	8258980000	D.7	RS SD50B LP3R	8019920000	D.9	RSM-16 48V+ 1C0 Z	1448340000	E.10	RSM8 24VAC/DC 2C0 S	1449030000	E.8
RS F14 Z	8537200000	D.6	RS SD50B UNC 4.40 LP2N	8005171001	D.8	RSM-16 48V+ 2C0 S	1449270000	E.10	RSM8 24VAC/DC 2C0 Z	1449040000	E.8
RS F16 LP2N 5/16	0225161001	D.6	RS SD50B UNC LPK2	8155640000	D.9	RSM-16 48V+ 2C0 Z	1449290000	E.10	RSM8 24VDC 1NO + C S	1457390000	A.61
RS F16 LP3R 3/16	8012870000	D.7	RS SD50S LP3R	8019970000	D.9	RSM-16 48V- 1C0 S	1448330000	E.10	RSM8 24VDC 1NO + C S	1457390000	A.66
RS F16 LPK 2H/18	8265540000	D.7	RS SD50S UNC 4.40 LP2N	8005161001	D.8	RSM-16 48V- 1C0 Z	1448350000	E.10	RSM8 24VDC 1NO + C Z	1457400000	A.61
RS F20 LP2N 5/20	0224261001	A.35	RS SD50S UNC LPK2	8155670000	D.9	RSM-16 48V- 2C0 S	1449280000	E.10	RSM8 24VDC 1NO + C Z	1457400000	A.66
RS F20 LP2N 5/20	0224261001	D.6	RS SD62F HD UNC4.40 S	1428160000	D.10	RSM-16 48V- 2C0 Z	1449300000	E.10	RSM8 48V+ 1C0 S	1447910000	E.8
RS F20 LP3R 3/21	8012910000	D.7	RS SD62M HD UNC4.40 S	1428120000	D.10	RSM-16 C 1C0 S	9445100000	A.61	RSM8 48V+ 1C0 Z	1447930000	E.8
RS F20 LPK 2H/22	8155600000	D.7	RS SD9 BZ								

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RSM-8I 24V+ 2CD S	144910000	E.8	TBY-C3-16AIO-2KS-S	1371580000	C.5	TIAL F10	1463540000	E.46	TRS 24VDC 2CD AU	1123730000	E.29
RSM-8I 24V+ 2CD Z	1449110000	E.8	TBY-C3-16AIO-2KS-S	1371580000	C.6	TIAL F10	1463540000	E.49	TRS 24VDC 2CD AU	1123730000	E.32
RSM16I 24V+ 1CD S	1449540000	E.10	TBY-C3-16AIO-2KS-Z	1371590000	C.5	TIAL F20	1463550000	E.19	TRS 24VDC 2CD AU	1123730000	E.34
RSM16I 24V+ 1CD Z	1449550000	E.10	TBY-C3-16AIO-2KS-Z	1371590000	C.6	TIAL F20	1463550000	E.20	TRS 24VDC 2CD AU	1123730000	E.36
RSMS-16 12V+ 1CD Z	1457040000	E.15	TBY-C3-AIO-2KS-S	1371470000	C.5	TIAL F20	1463550000	E.22	TRS 24VDC 2CD AU	1123730000	E.38
RSMS-16 12V- 1CD S	1457000000	E.15	TBY-C3-AIO-2KS-S	1371470000	C.6	TIAL F20	1463550000	E.23	TRS 24VDC 2CD AU	1123730000	E.40
RSMS-16 12V- 1CD Z	1457090000	E.15	TBY-C3-AIO-2KS-Z	1371500000	C.5	TIAL F20	1463550000	E.24	TRS 24VDC 2CD AU	1123730000	E.42
RSMS-16 24V+ 1CD S	1456970000	E.15	TBY-C3-AIO-2KS-Z	1371500000	C.6	TIAL F20	1463550000	E.27	TRS 24VDC 2CD AU	1123730000	E.43
RSMS-16 24V+ 1CD Z	1457050000	E.15	TBY-C3-AIO+2KS-S	1371600000	C.5	TIAL F20	1463550000	E.30	TRS 24VDC 2CD AU	1123730000	E.44
RSMS-16 24V+ BASE S	1457170000	E.15	TBY-C3-AIO+2KS-S	1371600000	C.8	TIAL F20	1463550000	E.31	TRS 24VDC 2CD AU	1123730000	E.45
RSMS-16 24V+ BASE Z	1457180000	E.15	TBY-C3-AIO+2KS-Z	1371610000	C.5	TIAL F20	1463550000	E.33	TRS 24VDC 2CD AU	1123730000	E.46
RSMS-16 24V- 1CD S	1457010000	E.15	TBY-C3-AIO+2KS-Z	1371610000	C.8	TIAL F20	1463550000	E.35	TRS 24VDC 1CD	1122780000	E.19
RSMS-16 24V- 1CD Z	1457100000	E.15	TBY-C3-UNIV-2KB-S	1384090000	C.5	TIAL F20	1463550000	E.37	TRS 24VDC 1CD	1122780000	E.21
RSMS-16 24VAC/DC 1CD S	1457190000	E.15	TBY-C3-UNIV-2KB-S	1384090000	C.10	TIAL F20	1463550000	E.38	TRS 24VDC 1CD	1122780000	E.22
RSMS-16 24VAC/DC 1CD Z	1457210000	E.15	TBY-C3-UNIV-2KB-Z	1384080000	C.5	TIAL F20	1463550000	E.39	TRS 24VDC 1CD	1122780000	E.24
RSMS-16 24VUC AU 1CD S	1457200000	E.15	TBY-C3-UNIV-2KB-Z	1384080000	C.10	TIAL F20	1463550000	E.41	TRS 24VDC 1CD	1122780000	E.25
RSMS-16 24VUC AU 1CD Z	1457220000	E.15	TBY-C3-UNIV-SP-2KS-S	1371640000	C.5	TIAL F20	1463550000	E.42	TRS 24VDC 1CD	1122780000	E.26
RSMS-16 48V+ 1CD S	1456980000	E.15	TBY-C3-UNIV-SP-2KS-S	1371640000	C.9	TIAL F20	1463550000	E.43	TRS 24VDC 1CD	1122780000	E.27
RSMS-16 48V+ 1CD Z	1457070000	E.15	TBY-C3-UNIV-SP-2KS-Z	1371650000	C.5	TIAL F20	1463550000	E.44	TRS 24VDC 1CD	1122780000	E.28
RSMS-16 48V- 1CD S	1457020000	E.15	TBY-C3-UNIV-SP-2KS-Z	1371650000	C.9	TIAL F20	1463550000	E.45	TRS 24VDC 1CD	1122780000	E.29
RSMS-16 48V- 1CD Z	1457110000	E.15	TBY-RS-AIO-2KS-S	1371130000	C.17	TIAL F20	1463550000	E.46	TRS 24VDC 1CD	1122780000	E.30
RSMS-16H 24V+ 1CD S	1457300000	A.61	TBY-RS-AIO-2KS-S	1371130000	C.18	TIAL F20	1463550000	E.50	TRS 24VDC 1CD	1122780000	E.31
RSMS-16H 24V+ 1CD S	1457300000	A.71	TBY-RS-AIO-2KS-Z	1371140000	C.17	TRS 24VDC 1CD	1122770000	E.19	TRS 24VDC 1CD	1122780000	E.32
RSMS-16H 24V+ 1CD S	1457300000	E.14	TBY-RS-AIO-2KS-Z	1371140000	C.18	TRS 24VDC 1CD	1122770000	E.20	TRS 24VDC 1CD	1122780000	E.33
RSMS-16H 24V+ 1CD Z	1457320000	A.61	TBY-RS-AIO+2KS-S	1371220000	C.17	TRS 24VDC 1CD	1122770000	E.21	TRS 24VDC 1CD	1122780000	E.34
RSMS-16H 24V+ 1CD Z	1457320000	A.71	TBY-RS-AIO+2KS-S	1371220000	C.20	TRS 24VDC 1CD	1122770000	E.22	TRS 24VDC 1CD	1122780000	E.35
RSMS-16H 24V+ 1CD Z	1457320000	E.14	TBY-RS-AIO+2KS-Z	1371230000	C.17	TRS 24VDC 1CD	1122770000	E.23	TRS 24VDC 1CD	1122780000	E.36
RSMS-16H 24V- 1CD S	1457310000	A.61	TBY-RS-AIO+2KS-Z	1371230000	C.20	TRS 24VDC 1CD	1122770000	E.24	TRS 24VDC 1CD	1122780000	E.37
RSMS-16H 24V- 1CD S	1457310000	A.82	TBY-RS-DIO-2KB-S	1371540000	C.17	TRS 24VDC 1CD	1122770000	E.25	TRS 24VDC 1CD	1122780000	E.39
RSMS-16H 24V- 1CD S	1457310000	E.14	TBY-RS-DIO-2KB-S	1371540000	C.23	TRS 24VDC 1CD	1122770000	E.26	TRS 24VDC 1CD	1122780000	E.40
RSMS-16H 24V- 1CD Z	1457330000	A.61	TBY-RS-DIO-2KB-Z	1371570000	C.17	TRS 24VDC 1CD	1122770000	E.27	TRS 24VDC 1CD	1122780000	E.41
RSMS-16H 24V- 1CD Z	1457330000	A.82	TBY-RS-DIO-2KB-Z	1371570000	C.23	TRS 24VDC 1CD	1122770000	E.28	TRS 24VDC 1CD	1122780000	E.44
RSMS-16H 24V- 1CD Z	1457330000	E.14	TBY-RS-UNIV-SP-2KS-S	1371340000	C.17	TRS 24VDC 1CD	1122770000	E.29	TRS 24VDC 1CD	1122780000	E.45
RSMS-8 12V+ 1CD S	1456590000	E.15	TBY-RS-UNIV-SP-2KS-S	1371340000	C.21	TRS 24VDC 1CD	1122770000	E.30	TRS 24VDC 2CD	1123500000	E.19
RSMS-8 12V+ 1CD Z	1456690000	E.15	TBY-RS-UNIV-SP-2KS-Z	1371370000	C.17	TRS 24VDC 1CD	1122770000	E.31	TRS 24VDC 2CD	1123500000	E.21
RSMS-8 12V- 1CD S	1456640000	E.15	TBY-RS-UNIV-SP-2KS-Z	1371370000	C.21	TRS 24VDC 1CD	1122770000	E.32	TRS 24VDC 2CD	1123500000	E.26
RSMS-8 12V- 1CD Z	1456730000	E.15	TBY-SAI143-2KS-S	1371150000	C.17	TRS 24VDC 1CD	1122770000	E.33	TRS 24VDC 2CD	1123500000	E.28
RSMS-8 24V+ 1CD S	1456610000	E.15	TBY-SAI143-2KS-S	1371150000	C.18	TRS 24VDC 1CD	1122770000	E.34	TRS 24VDC 2CD	1123500000	E.29
RSMS-8 24V+ 1CD Z	1456700000	E.15	TBY-SAI143-2KS-Z	1371170000	C.17	TRS 24VDC 1CD	1122770000	E.35	TRS 24VDC 2CD	1123500000	E.32
RSMS-8 24V- BASE S	1456810000	E.15	TBY-SAI143-2KS-Z	1371170000	C.18	TRS 24VDC 1CD	1122770000	E.36	TRS 24VDC 2CD	1123500000	E.34
RSMS-8 24V- 1CD S	1456650000	E.15	TBY-SAI143-FL-PS-2KS-S	1371240000	C.17	TRS 24VDC 1CD	1122770000	E.37	TRS 24VDC 2CD	1123500000	E.36
RSMS-8 24V- 1CD Z	1456740000	E.15	TBY-SAI143-FL-PS-2KS-S	1371240000	C.22	TRS 24VDC 1CD	1122770000	E.38	TRS 24VDC 2CD	1123500000	E.40
RSMS-8 24VAC/DC 1CD S	1456830000	E.15	TBY-SAI143-FL-PS-2KS-Z	1371250000	C.17	TRS 24VDC 1CD	1122770000	E.39	TRS 24VDC 2CD	1123500000	E.44
RSMS-8 24VUC AU 1CD S	1456840000	E.15	TBY-SAI143-FL-PS-2KS-Z	1371250000	C.22	TRS 24VDC 1CD	1122770000	E.40	TRS 24VDC 2CD	1123500000	E.45
RSMS-8 48V+ 1CD S	1456620000	E.15	TBY-SAI533-2KS-S	1371200000	C.17	TRS 24VDC 1CD	1122770000	E.41	TRZ 24VDC 1CD	1122880000	E.19
RSMS-8 48V+ 1CD Z	1456710000	E.15	TBY-SAI533-2KS-S	1371200000	C.18	TRS 24VDC 1CD	1122770000	E.42	TRZ 24VDC 1CD	1122880000	E.20
RSMS-8 48V- 1CD S	1456670000	E.15	TBY-SAI533-2KS-Z	1371210000	C.17	TRS 24VDC 1CD	1122770000	E.43	TRZ 24VDC 1CD	1122880000	E.21
RSMS-8 48V- 1CD Z	1456750000	E.15	TBY-SAI533-2KS-Z	1371210000	C.18	TRS 24VDC 1CD	1122770000	E.46	TRZ 24VDC 1CD	1122880000	E.22
RSMS-8H 24V+ 1CD S	1456540000	A.61	TBY-SAV144-2KS-S	1371180000	C.17	TRS 24VDC 1CD AU	1123000000	E.19	TRZ 24VDC 1CD	1122880000	E.23
RSMS-8H 24V+ 1CD S	1456540000	A.62	TBY-SAV144-2KS-S	1371180000	C.18	TRS 24VDC 1CD AU	1123000000	E.20	TRZ 24VDC 1CD	1122880000	E.24
RSMS-8H 24V+ 1CD S	1456540000	E.14	TBY-SAV144-2KS-Z	1371190000	C.17	TRS 24VDC 1CD AU	1123000000	E.21	TRZ 24VDC 1CD	1122880000	E.25
RSMS-8H 24V+ 1CD Z	1456570000	A.61	TBY-SAV144-2KS-Z	1371190000	C.18	TRS 24VDC 1CD AU	1123000000	E.22	TRZ 24VDC 1CD	1122880000	E.26
RSMS-8H 24V+ 1CD Z	1456570000	A.62	TBY-SDV144-PS-2KB-S	1395370000	C.17	TRS 24VDC 1CD AU	1123000000	E.23	TRZ 24VDC 1CD	1122880000	E.27
RSMS-8H 24V+ 1CD Z	1456570000	E.14	TBY-SDV144-PS-2KB-S	1395370000	C.25	TRS 24VDC 1CD AU	1123000000	E.24	TRZ 24VDC 1CD	1122880000	E.28
RSMS-8H 24V- 1CD S	1456550000	A.61	TBY-SDV144-PS-2KB-Z	1395380000	C.17	TRS 24VDC 1CD AU	1123000000	E.25	TRZ 24VDC 1CD	1122880000	E.29
RSMS-8H 24V- 1CD S	1456550000	A.67	TBY-SDV144-PS-2KB-Z	1395380000	C.25	TRS 24VDC 1CD AU	1123000000	E.26	TRZ 24VDC 1CD	1122880000	E.30
RSMS-8H 24V- 1CD Z	1456550000	E.14	TBY-SDV144-PS-2KB-S	1371390000	C.17	TRS 24VDC 1CD AU	1123000000	E.27	TRZ 24VDC 1CD	1122880000	E.31
RSMS-8H 24V- 1CD Z	1456580000	A.61	TBY-SDV144-PS-2KB-S	1371390000	C.24	TRS 24VDC 1CD AU	1123000000	E.28	TRZ 24VDC 1CD	1122880000	E.32
RSMS-8H 24V- 1CD Z	1456580000	A.67	TBY-SDV144-PS-2KB-Z	1371410000	C.17	TRS 24VDC 1CD AU	1123000000	E.29	TRZ 24VDC 1CD	1122880000	E.33
RSMS-8H 24V- 1CD Z	1456580000	E.14	TBY-SDV144-PS-2KB-Z	1371410000	C.24	TRS 24VDC 1CD AU	1123000000	E.30	TRZ 24VDC 1CD	1122880000	E.34
RSS112024	4061590000	C.30	TIA F10	1463520000	E.19	TRS 24VDC 1CD AU	1123000000	E.31	TRZ 24VDC 1CD	1122880000	E.35
RSX LOETST. LP	0329761001	D.17	TIA F10	1463520000	E.20	TRS 24VDC 1CD AU	1123000000	E.32	TRZ 24VDC 1CD	1122880000	E.36
			TIA F10	1463520000	E.21	TRS 24VDC 1CD AU	1123000000	E.33	TRZ 24VDC 1CD	1122880000	E.37
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			TIA F10	1463520000	E.24	TRS 24VDC 1CD AU	1123000000	E.35	TRZ 24VDC 1CD	1122880000	E.39
			TIA F10	1463520000	E.26	TRS 24VDC 1CD AU	1123000000	E.36	TRZ 24VDC 1CD	1122880000	E.40
			TIA F10	1463520000	E.28	TRS 24VDC 1CD AU	1123000000	E.37	TRZ 24VDC 1CD	1122880000	E.41
			TIA F10	1463520000	E.29	TRS 24VDC 1CD AU	1123000000	E.38	TRZ 24VDC 1CD	1122880000	E.42
			TIA F10	1463520000	E.32	TRS 24VDC 1CD AU	1123000000	E.39	TRZ 24VDC 1CD	1122880000	E.43
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TRZ 24VDC 2CO	1123610000	E.34
TRZ 24VDC 2CO	1123610000	E.36
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TRZ 24VDC 2CO	1123610000	E.42
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TRZ 24VUC 1CO	1122890000	E.33
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1349680010	PAC-UNIV-HE26-HE26-1M	F.3
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1349700010	PAC-UNIV-HE40-HE40-1M	F.3
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1349740010	PAC-UNIV-HE14-F-1M	F.3
1349750010	PAC-UNIV-D9M-D9M-1M	F.4
1349770010	PAC-UNIV-HE16-F-1M	F.3
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1349820010	PAC-UNIV-HE26-F-1M	F.3
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1349890010	PAC-UNIV-D15F-D15F-1M	F.4
1349920010	PAC-UNIV-D25F-D25F-1M	F.4
1349920000	PAC-UNIV-D25F-D25F-1M	A.12
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1350250000	PAC-CMLX-UNIU-V0-XXXX	F.9
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1350470010	PAC-UNIV-D9F-F-1M	F.4
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1350520010	PAC-UNIV-D50F-F-1M	F.4
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1371200000	TBY-SAI533-2KS-S	C.17
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1371240000	TBY-SAI143-FL-PS-2KS-S	C.17
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1371250000	TBY-SAI143-FL-PS-2KS-Z	C.17
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1371340000	TBY-RS-UNIV-SP-2KS-S	C.17
1371340000	TBY-RS-UNIV-SP-2KS-S	C.21
1371370000	TBY-RS-UNIV-SP-2KS-Z	C.17
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1371470000	TBY-C3-AIO-2KS-S	C.6
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1371530000	TBY-C3-16AI-2KS-S	C.5
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1371600000	TBY-C3-AIO+2KS-S	C.5
1371600000	TBY-C3-AIO+2KS-S	C.8
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1371640000	TBY-C3-UNIV-SP-2KS-S	C.5
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1373910010	PAC-C300-36-F-34-1M	B.16
1373920010	PAC-C300-32-1616-50-1M	B.19
1373940010	PAC-C300-32-F-50-1M	B.15
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13739510000	TBY-ADV551-CF-PS-2KB-Z	C.5
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1384250000	TBY-ADV151-48-PS-2KB-Z	C.5
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1384090000	TBY-C3-UNIV-2KB-S	C.5
1384090000	TBY-C3-UNIV-2KB-S	C.10
1384250000	TBY-ADV151-48-PS-2KB-Z	C.5
1384250000	TBY-ADV151-48-PS-2KB-Z	C.14
1384280000	TBY-ADV151-48-PS-2KB-S	C.5
1384280000	TBY-ADV151-48-PS-2KB-S	C.14
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1384330000	TBY-ADV151-24-PS-2KB-S	C.5
1384330000	TBY-ADV151-24-PS-2KB-S	C.13
1384340000	TBY-ADV151-PS-L-2KB-Z	C.5
1384340000	TBY-ADV151-PS-L-2KB-Z	C.11
1384350000	TBY-ADV151-PS-L-2KB-S	C.5
1384350000	TBY-ADV151-PS-L-2KB-S	C.11

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1395370000	TBY-SDV144-FPS-2KB-S	C.17
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1395380000	TBY-SDV144-FPS-2KB-Z	C.17
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1397820000	TBY-ADV151-PS-FL-2KB-S	C.5
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1397830000	TBY-ADV151-PS-FL-2KB-Z	C.12

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1405070000	PAC-UNIV-FJ20-F-XXXX	F.9
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1415230000	FTA-C300-16DAI-SH-Z	B.10

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1431720000	RSM-16 PLC1 1CO 2H S	A.79

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1440750010	PAC-HD15F-HD15F-V0-1M	F.6
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1447520000	RSM-4 48V+ 1CO Z	E.6
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1447540000	RSM-4 24VAC/DC 1CO S	E.6
1447550000	RSM-4 24VAC/DC 1CO Z	E.6
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1447600000	RSM-4 230VAC 1CO S	E.6
1447610000	RSM-4 230VAC 1CO Z	E.6
1447740000	RSM-4 24V+ 1CO S	E.6
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8537360000	RS SD50 BZ	D.8
8537370000	RS SD25 SZ	A.51
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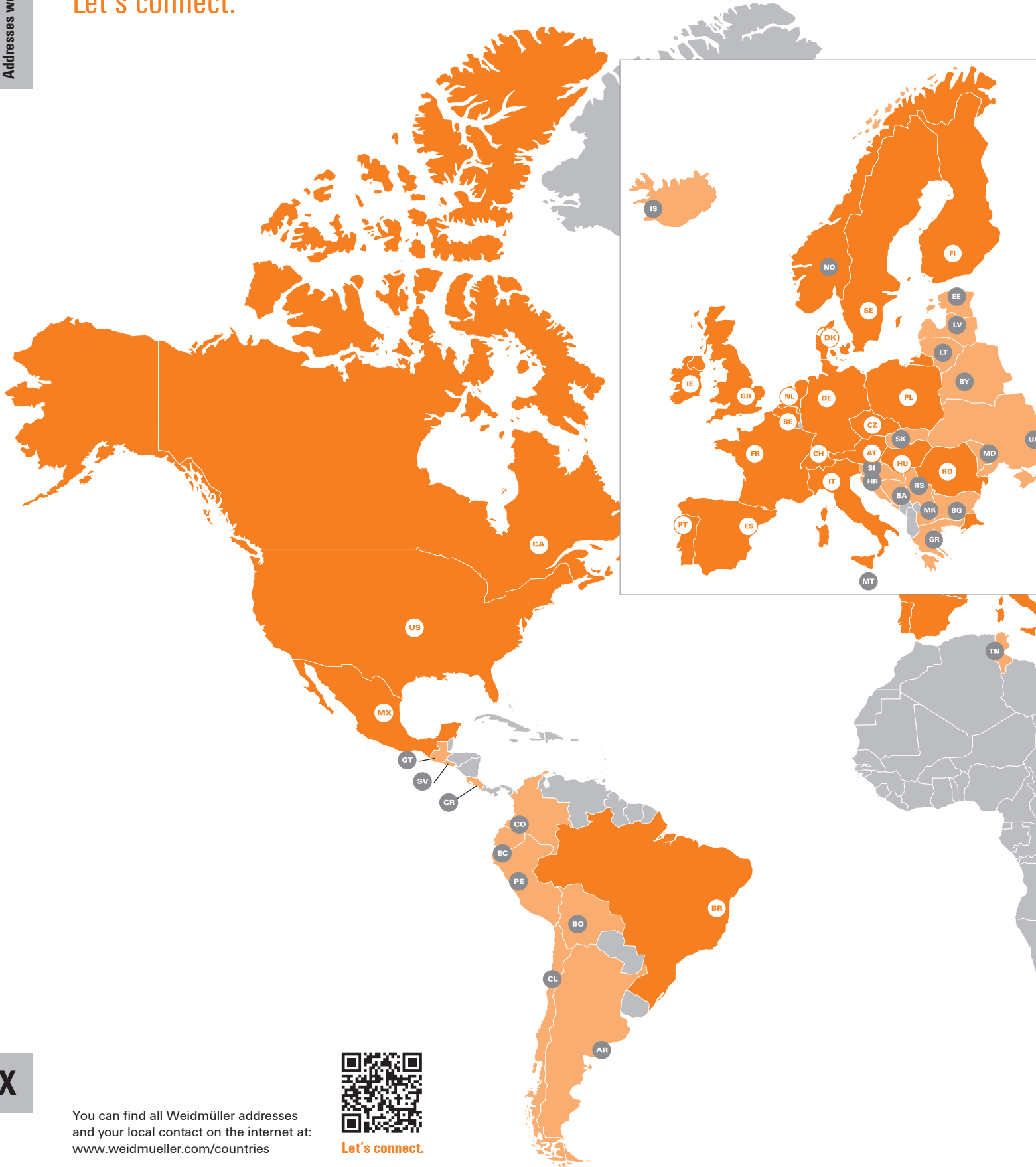
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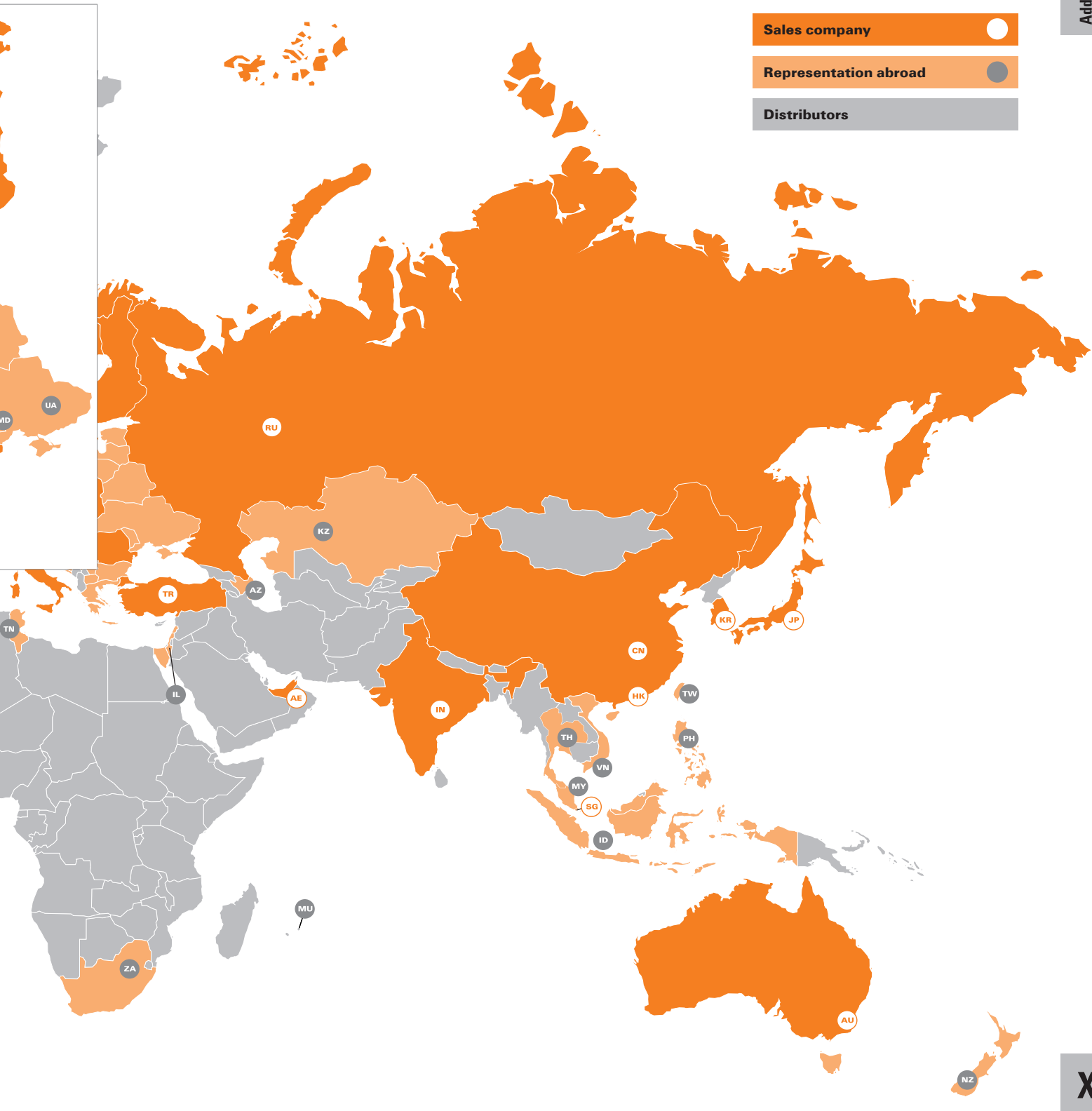


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