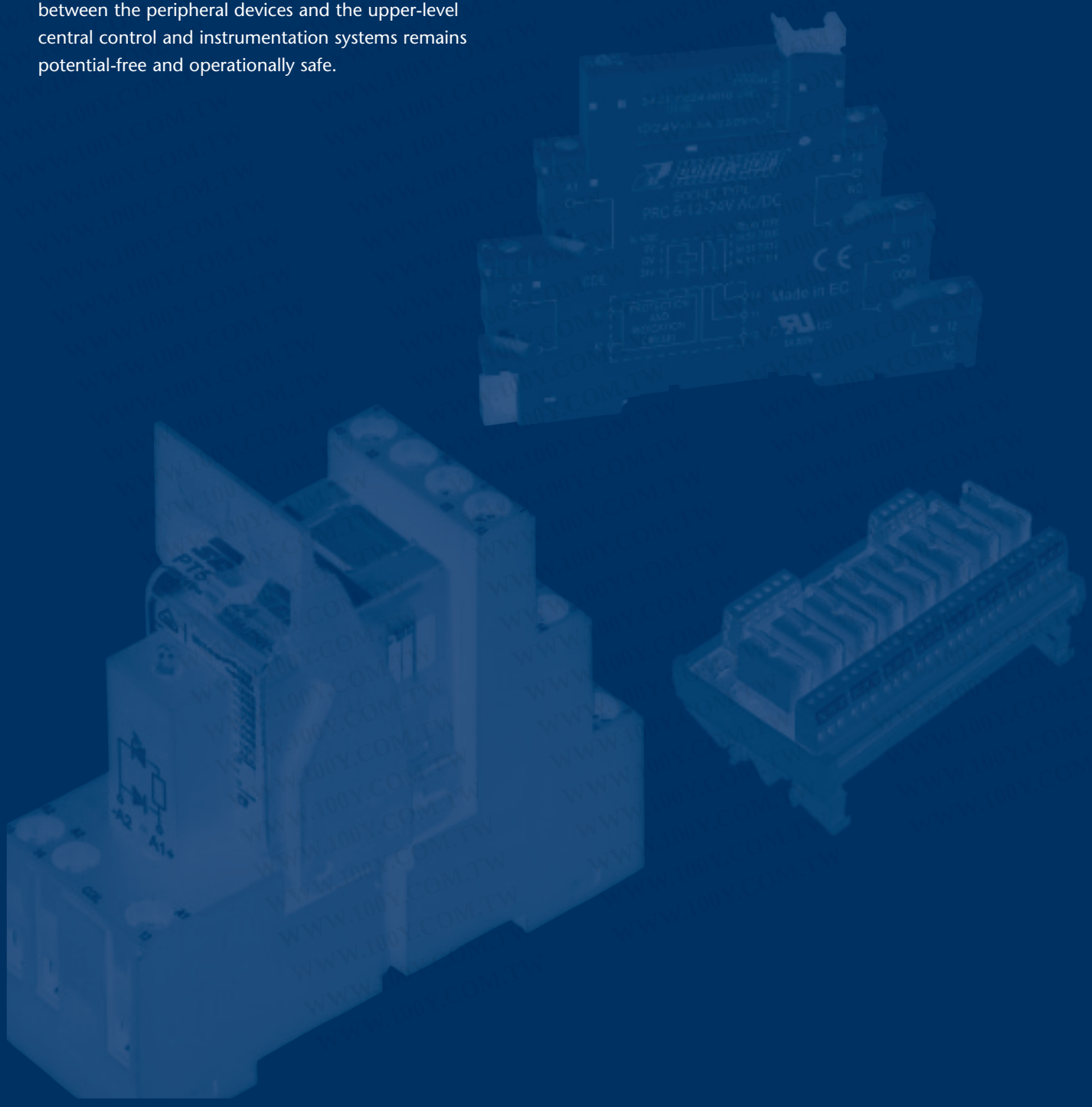
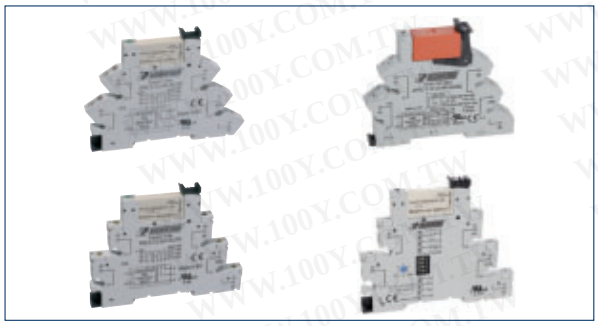
Relay systems

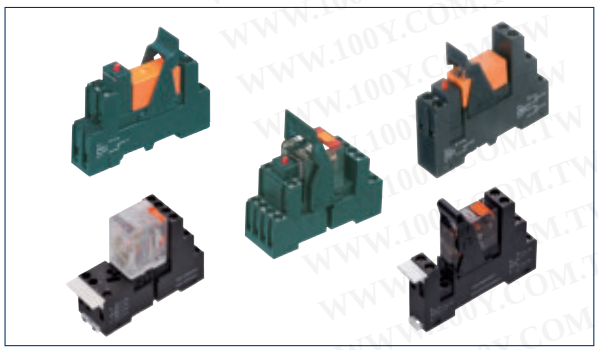
Relay technology continues to play a large role in the reliability of industrial control and automation solutions. Because of their thin design, relay couplers are suitable for use in rail-oriented control designs. CONTA-CLIP relay couplers have features which make them perfect for use in secure electrical isolation of circuits or for the multiplication of contacts.

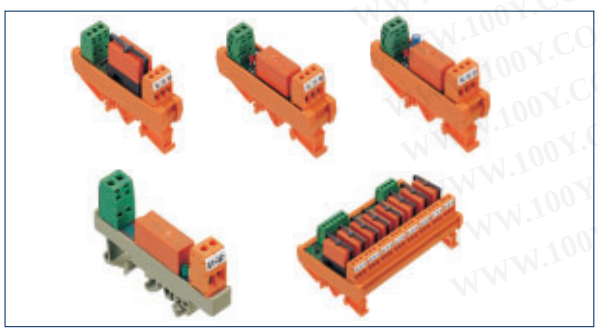
Whether for manufacturing, electrical machine and plant instrumentation, control engineering, building automation, or process engineering – it is always important to guarantee that the signal exchange between the peripheral devices and the upper-level central control and instrumentation systems remains potential-free and operationally safe.



Relay systems







Interface Relay Compact IRC, Multifunction Timing Relay MFR IRC

IRC relay couplers and **MFR-IRCP timing relays** embody a new strategy for 6.2 mm coupling relays. Our five different relay versions provide optimized use of space, simple installations, ease of use, and excellent functionality. They can be adapted for various application requirements because of the interchangeable mechanical relays and optocouplers (SSRs). The different coloured cross-connection combs help minimize the installation effort. The basic version of the **IRC** is the well-known coupling relay that can be used in all systems.

Similar to the basic version, the **IRCP** with the integrated **SM-IRC** fuse module can be used in all systems. It is unique in the way it meets the requirement that each coupling relay output must be protected by a replaceable 5x20 mm standard micro-fuse. This limits the effects of overcurrents (surges) – such as those caused by cable short circuits, short circuit to the controlled devices, blocked AC control valves, AC contactors or motors – to the area up to the fuse.

The **IRCPI** and **IRCPO** provide the advantage of an additional wire connection that can be cross-connected. All three wires of a sensor in a PLC input or all wires of an output-side power relay or contactor can be connected directly to the coupling relay. This saves space and provides for a clear, user-friendly installation.

The **MFR-IRCP** is a time-function coupler component with four time ranges and eight time functions. It features an innovative receptacle for holding additional 5x20 mm **SM-IRC** fuse modules. This component functions as a timer relay with a fuse, in a width of 6.2 mm.

All five types of relays in the **IRC relay system** are available with our innovative pressure spring connection system (Push-In) or the established screw connect system.

Plug relay compact PRC, Multifunction timing relay MFR-PRC

Our **PRC** relay couplers and **MFR-PRC** timing relays are distinguished by their compact shape in their terminal block design. With a width of only 6.2 mm (for 1 CO relay) and 14 mm (for 2 CO relays), they can be used in a wide variety of applications. The basis relay offers 28 versions, including screw and tension-spring connections, and available coil voltages from 6 to 24 VDC and from 12 to 240 VAC/DC. With the AQI cross-connection system, mutual potentials can be carried out over the coil or contact sides.

Plug relay system PRS

PRS relay couplers are available with one, two, or four CO contacts. The relay plug-in modules are designed for a rated voltage of 300 V. They can be combined with relays (in the coil-voltage range of 12 to 220 VDC and 12 to 230 VAC) and the appropriate insert modules or status displays. In order to guarantee that the relay is mechanically snug in the frame, a relay holding clamp can be mounted. The switchable continuous current is 12 amps for the one- and two-CO versions, and 6 amps for the four-CO versions. The **PRS...G** types have electrical contacts which are designed so that the coil side and the contact side are arranged separately from another. The relay frame, relay insert module and holding clamp can be modularly assembled and combined.

Relay modules RM and RIM

The **RM** and **RIM** are relay interfaces which offer an advantage over the single-relay base systems. On a PCB, the circuit track can be pre-wired, such as the shared plus, minus, and neutral wire potentials on the coil side. The **RIM S** versions also feature a toggle switch in the input/coil circuit. This enables switching to MANUAL, OFF, or AUTOMATIC.

Interface Relay Compact IRC

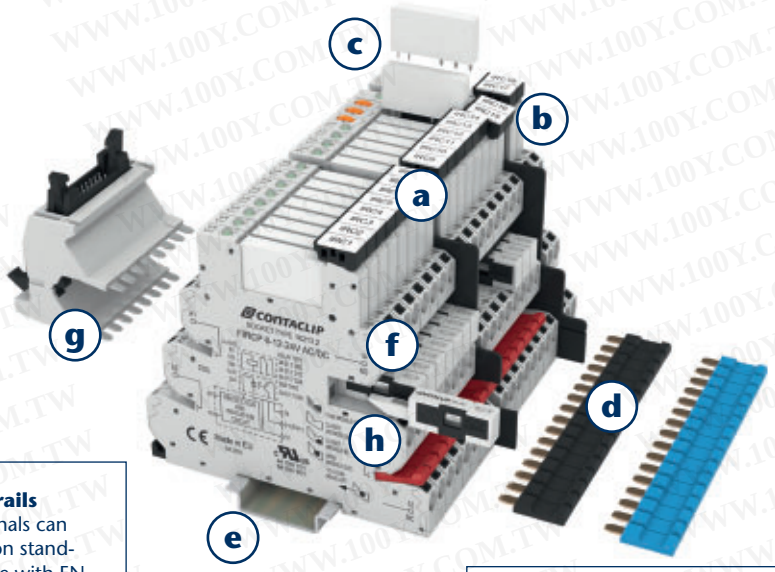
Relay terminals

1. Overview

a **Labelling | Marking**
The socket bases have a labelling surface which is optimally suited for our standard marking system **MC Maxi Card** (MC GS 6 x 12 R). **Conta-Clip** can also provide "just in time" labelling for you.

b **Using the mount/dismount lever**
The mounting and dismounting mechanism forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever!

c **Pluggable relay**
Pluggable relays are also available with AgSNO and gold contacts, to fit with the many functions of your individual requirements!



d **Pluggable external cross-connections**
The AQI/IRC pluggable cross-connection system helps you to save time when distributing potentials. The AQI/IRC is constructed so that it is protected against accidental touch. It is available as a 16-pole unit, in either red, blue or black. The cross-connection can be shortened to fewer poles in order to fit the required interface. Insulation plating can be used to insulate the ends.

e **Mounts on TS 35 DIN rails**
CONTA-CLIP relay terminals can be arranged as required on standard TS 35 DIN rails in accordance with EN 60715.

f **Connection types**
All IRC relay terminals are optionally available with screw connections or pressure spring connection system.

g The **IRC/FCA adapter** connects eight IRC interface relays via a two-wire cable with 24 V operating voltage and with a 14-pole cable from the PLC.

h A version with fuse insert module is also available. Thus the coupling relay output can be protected using an individual, replaceable standard micro-fuse (5 x 20 mm) within the available width of 6.2 mm.

2. Relay types

IRCU and FRCU Basic
All-purpose use as coupling relay in the PLC input or in the PLC output for controlling actuators.

IRCPU and FRCPU Plus
All-purpose use as coupling relay in the PLC input or in the PLC output for controlling actuators. With the option for holding a micro-fuse (5x20) in the relay contact.

IRCIU and FRCIU Input
In addition to their well-known coupling relay functionality, these components also have an additional advantage: all three lines from a sensor can be connected in the input to the PLC, or the lines from the output-side power relay or contactor can be connected directly to the corresponding coupling relay. This saves space and provides for a clear, user-friendly installation.

IRCOU and FRCOU Output
In addition to their well-known coupling relay functionality, these components also have an additional advantage: the three lines from a sensor can be connected in the input to the PLC, or the lines from the output-side power relay or contactor can be connected to the corresponding coupling relay. This saves space and provides for a clear, user-friendly installation.

3. **Approvals** (details upon request)

Interface Relay Compact IRC

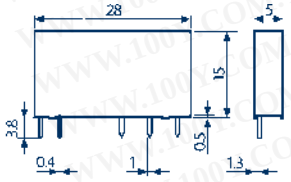
Relay terminals

4. Features:

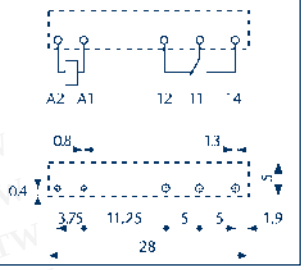
I. Relay

- 5 mm width, extremely narrow monitoring relay
- Sensitive DC coil, 170 mW
- Secure isolation between the coil and the contacts, according to VDE 0160/EN 50178
- 6 mm clearance and creepage distance
- 6 kV (1.2/50 µs)
- Protection class II, according to VDE 0631/EN 60730

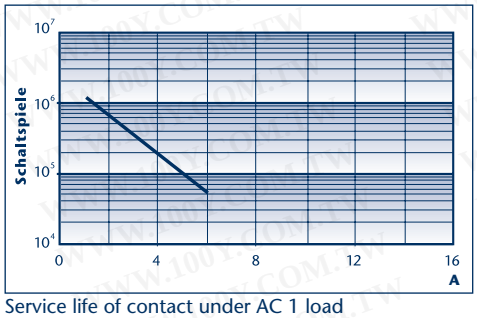
Relay - complete view



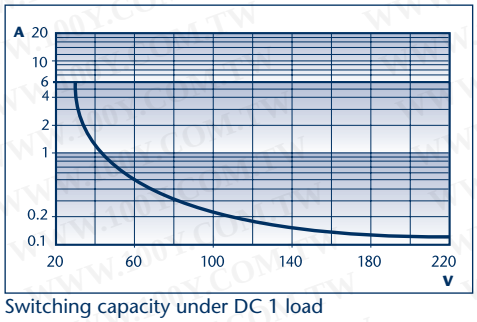
Connection diagram



5. Contact data



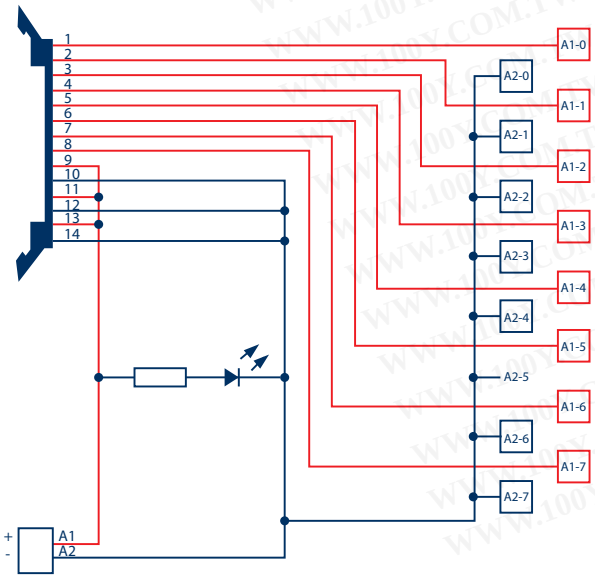
Service life of contact under AC 1 load



Switching capacity under DC 1 load

- Under resistive load (DC 1) and with an intersection of current and voltage that lies under the curve: this is an indication of an electrical service life greater or equal to 100,000 switching cycles.
- Under inductive load (DC 13), a free-wheel diode should be switched parallel to the load.
  Note: the return time increases.

Ratings for the FCA/IRC adapter	
Max. continuous current per signal	1A
Min. power rating for eight coupling relays	3W
Rated voltage (UN)	24V DC
Operating range	(0.8-1.1) Un
Control logic	Positive switching (+ at A1)
Connection for signal level: 24 V	
Connection type	Flat-ribbon cable plug-in connector, 14-poles acc. to IEC 60603-13
Connection for 24 V power supply	
Stripping length	9.5 mm
Torque	0.5 Nm
Max. wire cross-section, solid | finely stranded	1 x 4 mm² / 1 x 2.5 mm²
Max. wire cross-section, solid | finely stranded	1 x 12 AWG / 1 x 14 AWG



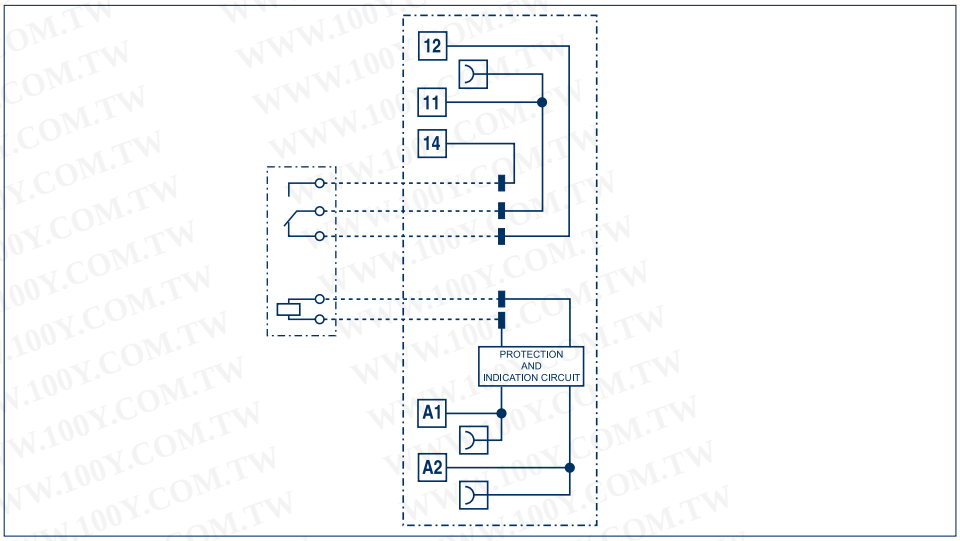
Interface Relay Compact IRC

IRC Basic series

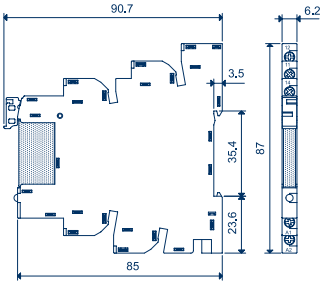
Consisting of:
- Base terminal and pluggable relay
- Mounts on TS 35

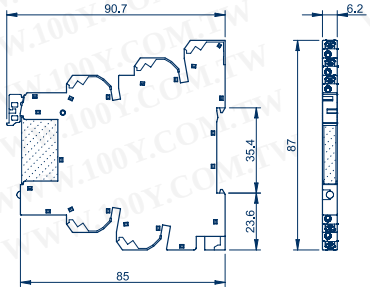
- All-purpose use as coupling relay at PLC input, or in the output of the PLC for controlling actuators
- Internal EMC coil circuitry and LED display
- Pluggable cross-connection (blue, black, red) makes installations easier
- Screw or pressure-spring connection

(F)IRCU

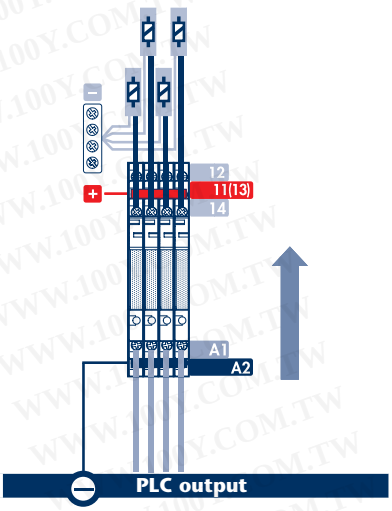


General specifications:			
Mech. service life AC/DC switching cycles	10×10^6		
Electrical service life AC 1 switching cycles	60×10^3		
Response time/Release time	5/6 ms		
Ambient temperature	- 40 °C – + 70 °C		
Relay protection type	IP 20		
Bounce time at the NO of the NO/NC contact	1 ms / 6 ms		
Vibration resistance (10-55) Hz NO/NC contact	10 g / 5 g		
Ambient heat dissipation without contact current	0.2 W (24 V) – 0.4 W (230 V)		
Ambient heat dissipation under continuous current	0.6 W (24 V) – 0.9 W (230 V)		
Insulation properties acc. to EN 61810-1			
Rated voltage of power supply system	230 / 400 V AC		
Rated insulation voltage / contamination degree	250 V AC / 3	400 V AC / 2	
Insulation between coil and contact set			
Overvoltage category	III		
Rated impulse voltage	6 kV (1.2/50 µs)		
Dielectric strength	4,000 V AC		
Insulation at open contact			
Dielectric strength	1,000 V AC / 1.5 kV (1.2/50 µs)		
EMC - interference immunity of the input circuit	**UN ≤ 60 V**	**UN = 125 V**	**UN = 230 V**
Burst (5/50 ns, 5 kHz) on A1 - A2 according to EN 61000-4-4	4 kV	4 kV	4 kV
Surge (1.2/50 µs) on A1 - A2 according to EN 61000-4-5 (differential mode)	0.8 kV	2 kV	4 kV
Rated data for the base	**Screw connection IRC**	**Pressure-spring connection**	
Stripping length	10 mm	8 mm	
Torque	0.5 Nm	-	
Max. wire cross-section, solid | finely stranded	1 x 2.5 | 1 x 2.5 mm²	1 x 2.5 | 1 x 2.5 mm²	
Min. wire cross-section, solid | finely stranded	1 x 0.2 | 1 x 2.5 mm²	1 x 0.2 | 1 x 2.5 mm²	
Max. wire cross-section, solid | finely stranded	1 x 14 AWG | 1 x 14 AWG	1 x 14 AWG | 1 x 14 AWG	
Min. wire cross-section, solid | finely stranded	1 x 24 AWG | 1 x 24 AWG	1 x 24 AWG | 1 x 24 AWG	

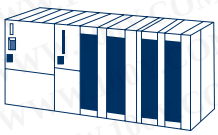




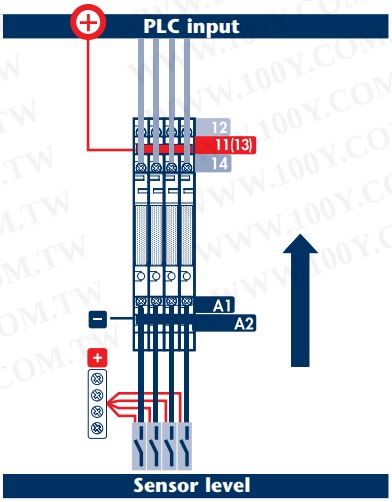
Actuator level



PLC output



PLC input

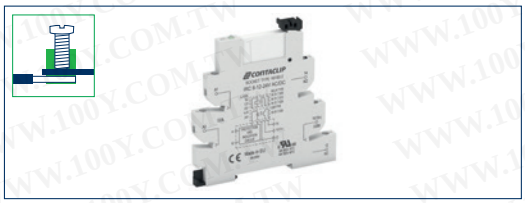


Sensor level

Interface Relay Compact IRC

IRC Basic series

IRCU



FIRCU

Screw connection Cat. no./Qty.	IRCU 1/6 V AC/DC 16230.2 / 10	IRCU 1/12 V AC/DC 16231.2 / 10	IRCU 1/24 V AC/DC 16232.2 / 10	IRCU 1/125 V AC/DC 16233.2 / 10	IRCU 1/240V AC/DC 16234.2 / 10
Size (L x W x H) with TS35 x 7.5	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 V A C/ DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 V AC / DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.7 VA / 0.7 W	1 VA / 0.4 W
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current | Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, screw socket base					
Type Cat. no./Qty.	IRC 6-12-24 V AC/DC 16190.2 / 10	IRC 6-12-24 V AC/DC 16190.2 / 10	IRC 6-12-24 V AC/DC 16190.2 / 10	IRC 110-125 V AC/DC 16191.2 / 10	IRC 230-240 V AC 16192.2 / 10
Components, plug relays					
Type Cat. no./Qty.	PRC 1/5 V DC 15500.2 / 10	PRC 1/12 V DC 15501.2 / 10	PRC 1/24 V DC 15502.2 / 10	PRC 1/60 V DC 15503.2 / 10	PRC 1/60 V DC 15503.2 / 10

Pressure-spring connection Cat. no./Qty.	FIRCU 1/6 V AC/DC 16260.2 / 10	FIRCU 1/12 V AC/DC 16261.2 / 10	FIRCU 1/24 V AC/DC 16262.2 / 10	FIRCU 1/125 V AC/DC 16263.2 / 10	FIRCU 1/240 V AC 16264.2 / 10
Size (L x W x H) with TS 35 x 7.5	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 V AC / DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 V AC / DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.7 VA / 0.7 W	1 VA / 0.4 W
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, pressure-spring socket base					
Type Cat. no./Qty.	FIRC 6-12-24 V AC/DC 16210.2 / 10	FIRC 6-12-24 V AC/DC 16210.2 / 10	FIRC 6-12-24 V AC/DC 16210.2 / 10	FIRC 110-125 V AC/DC 16211.2 / 10	FIRC 230-240 V AC 16212.2 / 10
Components, plug relays					
Type Cat. no./Qty.	PRC 1/5 V DC 15500.2 / 10	PRC 1/12 V DC 15501.2 / 10	PRC 1/24 V DC 15502.2 / 10	PRC 1/60 V DC 15503.2 / 10	PRC 1/60 V DC 15503.2 / 10

Accessories	Type	Cat. no./Qty.
Partition plate	TW/IRC	16228.2 / 10
External cross-connector, blue	AQI/IRC/16 BU	16209.5 / 10
External cross-connector, black	AQI/IRC/16 BK	16209.4 / 10
External cross-connector, red	AQI/IRC/16 RD	16209.9 / 10
Ribbon cable adapter	FCA/IRC	16229.2 / 10
Tool / screwdriver	SDB 0.6 x 3.5	1086.0 / 10
Labelling/markers, blank	MC GS 6x12 R WH	3884.7 / 600
Labelling/markers, special print	MC GS 6x12 R So WH	3885.7 / 600

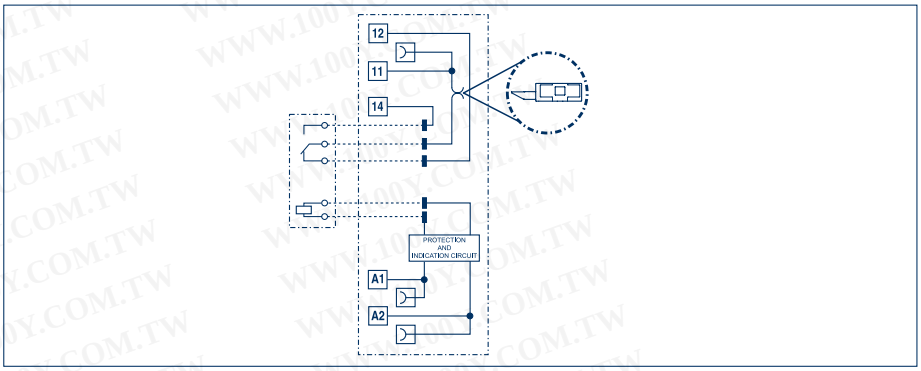
Interface Relay Compact IRC

IRC Plus series

Consisting of:
- Base terminal and pluggable relay
- Mounts on TS 35

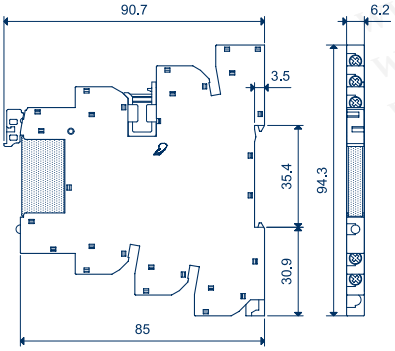
- All-purpose use as coupling relay at PLC input, or in the output of the PLC for controlling actuators
- Output fuse module for individual standard micro-fuse (5x20 mm) available as accessory
- Internal EMC coil circuitry and LED display
- LW version with internal AC residual current suppression and LED display
- Pluggable cross-connection (blue, black, red) makes installations easier
- Screw or pressure-spring connection

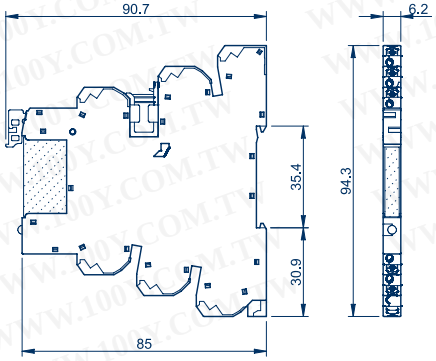
(F)IRCPU



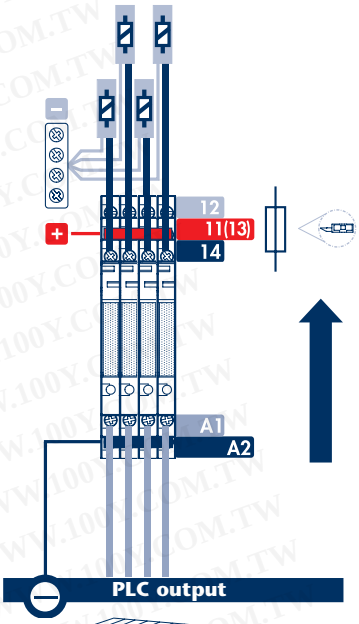
General specifications:			
Mech. service life AC/DC switching cycles	10×10^6		
Electrical service life AC 1 switching cycles	60×10^3		
Response time/Release time	5/6 ms		
Ambient temperature	- 40 °C – + 70 °C		
Relay protection type	IP 20		
Bounce time at the NO of the NO/NC contact	1 ms/6 ms		
Vibration resistance (10-55) Hz NO/NC contact	10 g / 5 g		
Ambient heat dissipation without contact current	0.2 W (24 V) – 0.4 W (230 V)		
Ambient heat dissipation under continuous current	0.6 W (24 V) – 0.9 W (230 V)		
Insulation properties acc. to EN 61810-1			
Rated voltage of power supply system	230 / 400 V AC		
Rated insulation voltage / contamination degree	250 V AC / 3	400 V AC / 2	
Insulation between coil and contact set			
Overvoltage category	III		
Rated impulse voltage	6 kV (1.2/50 µs)		
Dielectric strength	4,000 V AC		
Insulation at open contact			
Dielectric strength	1,000 V AC / 1.5 kV (1.2/50 µs)		
EMC - interference immunity of the input circuit	**UN ≤ 60 V**	**UN = 125 V**	**UN = 230 V**
Burst (5/50 ns, 5 kHz) on A1 - A2 acc. to EN 61000-4-4	4 kV	4 kV	4 kV
Surge (1.2/50 µs) on A1 - A2 according to EN 61000-4-5 (differential mode)	0.8 kV	2 kV	4 kV

Rated data for the base	Screw connection IRC	Pressure-spring connection
Stripping length	10 mm	8 mm
Torque	0.5 Nm	-
Max. wire cross-section, solid | finely stranded	1 x 2.5 | 1 x 2.5 mm²	1 x 2.5 | 1 x 2.5 mm²
Min. wire cross-section, solid | finely stranded	1 x 0.2 | 1 x 2.5 mm²	1 x 0.2 | 1 x 2.5 mm²
Max. wire cross-section, solid | finely stranded	1 x 14 AWG | 1 x 14 AWG	1 x 14 AWG | 1 x 14 AWG
Min. wire cross-section, solid | finely stranded	1 x 24 AWG | 1 x 24 AWG	1 x 24 AWG | 1 x 24 AWG

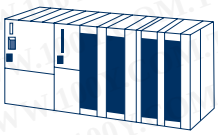




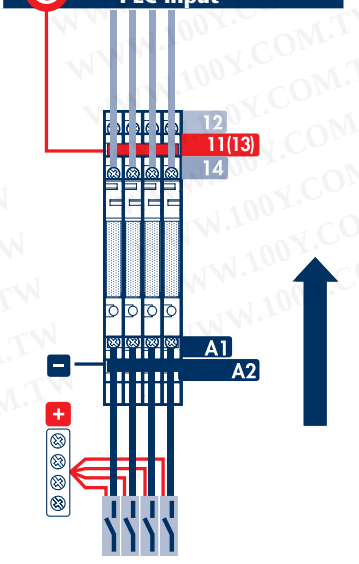
Actuator level



PLC output

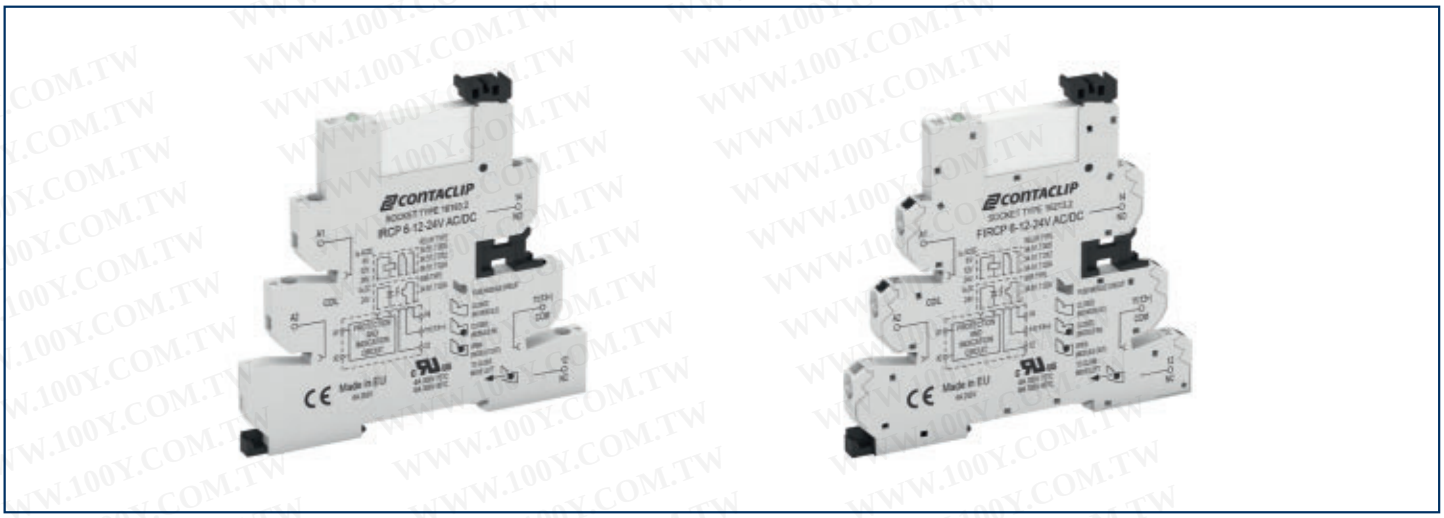


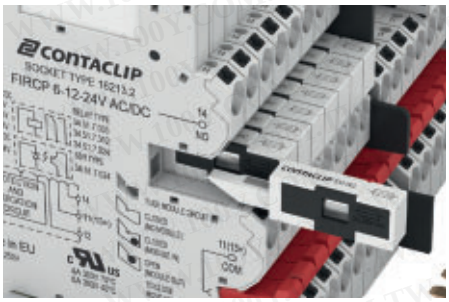
PLC input



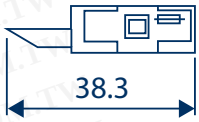
Sensor level

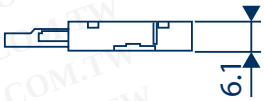
Interface Relay Compact IRC





Similar to the IRCU version, the IRCPU with the fuse insert module can be used in all systems. It is unique in the way it meets the requirement that each coupling relay output must be protected by a replaceable 5x20 mm standard micro-fuse within the available 6.2 mm width.

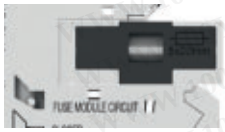




It is delivered with a dummy plug inserted in the frame. The connections for the fuse are bridged internally, so that it can be used without a fuse module. The indicator pin is not visible when the product is delivered.

The indicator pin is not visible when the product is delivered.

When the fuse module is plugged in with an inserted fuse (dummy plug has been removed), the fuse is in series with the CO of the output connection (11).

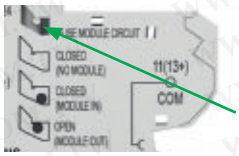


Status of the indicator pin

When the fuse module is pulled out (e.g. due to a failed fuse), the output remains cut off so that the cause of the blown fuse can be found (security logistics).

Status of the indicator pin

In order to reactivate the output, either the fuse module must be fitted with a functional fuse and plugged in again, or the indicator pin must be moved gently in the direction of the arrow, as shown initially.



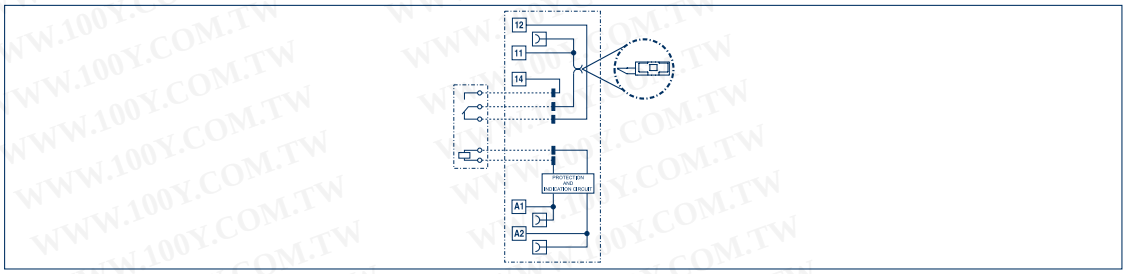
Moving the indicator pin

Rated data for the fuse module	
Size (L x W)	38.3 x 6.1 mm
Rated voltage of fuse	250 V
Rated current of fuse	6 A
Size of fuse	5 x 20 mm

Interface Relay Compact IRC

IRC Plus series

(F)IRCPU



Screw connection	IRCPU 1/6 V AC/DC	IRCPU 1/12 V AC/DC	IRCPU 1/24 V AC/DC	IRCPU 1/60 V AC/DC	IRCPU 1/125 V AC/DC
Cat. no./Qty.	**16235.2 / 10**	**16236.2 / 10**	**16237.2 / 10**	**16238.2 / 10**	**16239.2 / 10**
Size (LxWxH) with TS 35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 V AC / DC	60 V AC / DC	125 V AC / DC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 V AC / DC	60 V AC / DC	110-125 V AC / DC
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.35 VA / 0.35 W	0.7 VA / 0.7 W
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi

Component, screw socket base					
Type	**IRCP 6-12-24 V AC/DC**	**IRCP 6-12-24 V AC/DC**	**IRCP 6-12-24 V AC/DC**	**IRCP 60 V AC/DC**	**IRCP 110-125 V AC/DC**
Cat. no./Qty.	**16193.2 / 10**	**16193.2 / 10**	**16193.2 / 10**	**16194.2 / 10**	**16195.2 / 10**
Components, plug relays					
Type	**PRC 1/5 V DC**	**PRC 1/12 V DC**	**PRC 1/24 V DC**	**PRC 1/60 V DC**	**PRC 1/60 V DC**
Cat. no./Qty.	**15500.2 / 10**	**15501.2 / 10**	**15502.2 / 10**	**15503.2 / 10**	**15503.2 / 10**
Pressure-spring connection	**FIRCPU 1/6 V AC/DC**	**FIRCPU 1/12 V AC/DC**	**FIRCPU 1/24 V AC/DC**	**FIRCPU 1/60 V AC/DC**	**FIRCPU 1/125 V AC/DC**
Cat. no./Qty.	**16265.2 / 10**	**16266.2 / 10**	**16267.2 / 10**	**16268.2 / 10**	**16269.2 / 10**
Size (L x W x H) with TS 35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 V AC / DC	60 V AC / DC	125 V AC / DC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 V AC / DC	60 V AC / DC	110-125 V AC / DC
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.35 VA / 0.35 W	0.7 VA / 0.7 W
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, pressure-spring socket base					
Type	**FIRCP 6-12-24 V AC/DC**	**FIRCP 6-12-24 V AC/DC**	**FIRCP 6-12-24 V AC/DC**	**FIRCP 60 V AC/DC**	**FIRCP 110-125 V AC/DC**
Cat. no./Qty.	**16213.2 / 10**	**16213.2 / 10**	**16213.2 / 10**	**16214.2 / 10**	**16215.2 / 10**
Components, plug relays					
Type	**PRC 1/5 V DC**	**PRC 1/12 V DC**	**PRC 1/24 V DC**	**PRC 1/60 V DC**	**PRC 1/60 V DC**
Cat. no./Qty.	**15500.2 / 10**	**15501.2 / 10**	**15502.2 / 10**	**15503.2 / 10**	**15503.2 / 10**

Accessories	Type	Cat. no./Qty.
Partition plate	TW/IRC	16228.2 / 10
External cross-connector, blue	AQI/IRC/16 BU	16209.5 / 10
External cross-connector, black	AQI/IRC/16 BK	16209.4 / 10
External cross-connector, red	AQI/IRC/16 RD	16209.9 / 10
Ribbon cable adapter	FCA/IRC	16229.2 / 10
Fuse module	SM-IRC	16208.2 / 10
Tool / screwdriver	SDB 0.6 x 3.5	1086.0 / 10
Labelling/markers, blank	MC GS 6x12 R WH	3884.7 / 600
Labelling/markers, special print	MC GS 6x12 R So WH	3885.7 / 600

Interface Relay Compact IRC

IRCPU

FIRCPU

Screw connection Cat. no./Qty.	IRCPU 1/240 V AC 16240.2 / 10	IRCPU 1/125 V DC 16241.2 / 10	IRCPU 1/220 V DC 16242.2 / 10	IRCPU LW 1/125 V AC/DC 16243.2 / 10	IRCPU LW 1/240 V AC 16244.2 / 10
Size (L x W x H) with TS35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	240 V AC	125 V DC	220 V DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	220-240 V AC (50/60 Hz)	125 V DC	220 V DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	1 VA / 0.4 W	- / 0.6 W	- / 0.6 W	1.1 VA / 1 W	1.4 VA / 0.5 W
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.3 Un	0.3 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, screw socket base					
Type **Cat. no./Qty.**	**IRCP 230-240 V AC** **16196.2 / 10**	**IRCP 110-125 V DC** **16197.2 / 10**	**IRCP 220 V DC** **16198.2 / 10**	**IRCP LW 110-125 V AC/DC** **16199.2 / 10**	**IRCP LW 230-240 V AC** **16200.2 / 10**
Components, plug relays					
Type **Cat. no./Qty.**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**

Pressure-spring connection Cat. no./Qty.	FIRCPU 1/240 V AC 16270.2 / 10	FIRCPU 1/125 V DC 16271.2 / 10	FIRCPU 1/220 V DC 16272.2 / 10	FIRCPU LW 1/125 V AC/DC 16273.2 / 10	FIRCPU LW 1/240 V AC 16274.2 / 10
Size (L x W x H) with TS 35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	240 V AC	125 V DC	220 V DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	220-240 V AC (50/60 Hz)	125 V DC	220 V DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	1 VA / 0.4 W	- / 0.6 W	- / 0.6 W	1.1 VA / 1 W	1.4 VA / 0.5 W
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.3 Un	0.3 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, pressure-spring socket base					
Type **Cat. no./Qty.**	**FIRCP 230-240 V AC** **16216.2 / 10**	**FIRCP 110-125 V DC** **16217.2 / 10**	**FIRCP 220 V DC** **16218.2 / 10**	**FIRCP LW 110-125 V AC/DC** **16219.2 / 10**	**FIRCP LW 230-240 V AC** **16220.2 / 10**
Components, plug relays					
Type **Cat. no./Qty.**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**	**PRC 1/60 V DC** **15503.2 / 10**

Accessories	Type	Cat. no./Qty.
Partition plate	TW/IRC	16228.2 / 10
External cross-connector, blue	AQI/IRC/16 BU	16209.5 / 10
External cross-connector, black	AQI/IRC/16 BK	16209.4 / 10
External cross-connector, red	AQI/IRC/16 RD	16209.9 / 10
Ribbon cable adapter	FCA/IRC	16229.2 / 10
Fuse module	SM-IRC	16208.2 / 10
Tool / screwdriver	SDB 0.6 x 3.5	1086.0 / 10
Labelling/markers, blank	MC GS 6x12 R WH	3884.7 / 600
Labelling/markers, special print	MC GS 6x12 R So WH	3885.7 / 600

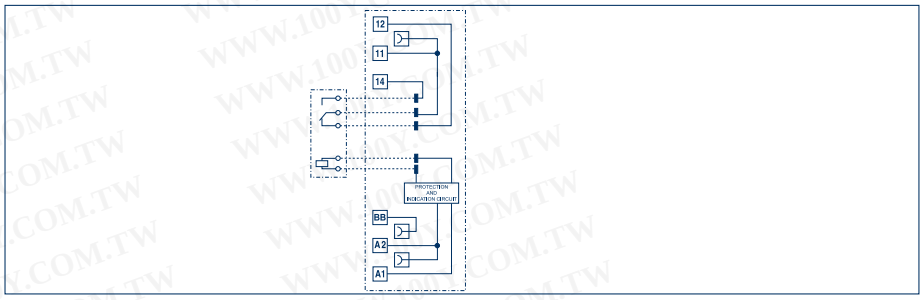
Interface Relay Compact IRC

IRC Input series

Consisting of:
- Base terminal and pluggable relay
- Mounts on TS 35

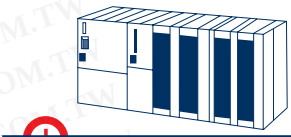
- Advantageous for connecting sensors to the PLC input, and the sensor power supply can be connected to the same coupling relay
- Internal EMC coil circuitry and LED display
- Pluggable cross-connection (blue, black, red) makes installations easier
- Screw or pressure-spring connection

(F)IRCIU

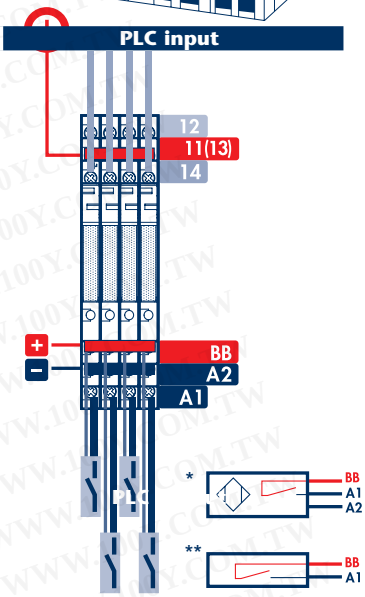


General specifications:			
Mech. service life AC/DC switching cycles	10×10^6		
Electrical service life AC 1 switching cycles	60×10^3		
Response time/Release time	5/6 ms		
Ambient temperature	- 40 °C – + 70 °C		
Relay protection type	IP 20		
Bounce time at the NO of the NO/NC contact	1 ms/6 ms		
Vibration resistance (10-55) Hz NO/NC contact	10 g / 5 g		
Ambient heat dissipation without contact current	0.2 W (24 V) – 0.4 W (230 V)		
Ambient heat dissipation under continuous current	0.6 W (24 V) – 0.9 W (230 V)		
Insulation properties acc. to EN 61810-1			
Rated voltage of power supply system	230 / 400 V AC		
Rated insulation voltage / contamination degree	250 V AC / 3	400 V AC / 2	
Insulation between coil and contact set			
Overvoltage category	III		
Rated impulse voltage	6 kV (1.2/50 µs)		
Dielectric strength	4,000 V AC		
Insulation at open contact			
Dielectric strength	1,000 V AC / 1.5 kV (1.2/50 µs)		
EMC - interference immunity of the input circuit	**UN ≤ 60 V**	**UN = 125 V**	**UN = 230 V**
Burst (5/50 ns, 5 kHz) on A1 - A2 according to EN 61000-4-4	4 kV	4 kV	4 kV
Surge (1.2/50 µs) on A1 - A2 according to EN 61000-4-5 (differential mode)	0.8 kV	2 kV	4 kV

Rated data for the base	Screw connection IRC	Pressure-spring connection
Stripping length	10 mm	8 mm
Torque	0.5 Nm	-
Max. wire cross-section, solid | finely stranded	1 x 2.5 | 1 x 2.5 mm²	1 x 2.5 | 1 x 2.5 mm²
Min. wire cross-section, solid | finely stranded	1 x 0.2 | 1 x 2.5 mm²	1 x 0.2 | 1 x 2.5 mm²
Max. wire cross-section, solid | finely stranded	1 x 14 AWG | 1 x 14 AWG	1 x 14 AWG | 1 x 14 AWG
Min. wire cross-section, solid | finely stranded	1 x 24 AWG | 1 x 24 AWG	1 x 24 AWG | 1 x 24 AWG



PLC input



Sensor level

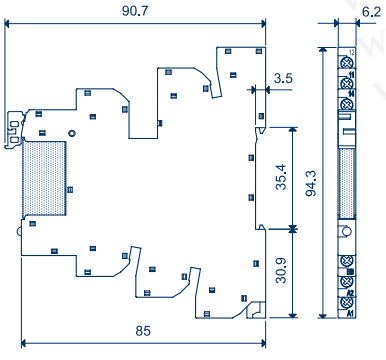
For sensors with 2 connections or for control via the NO contact:

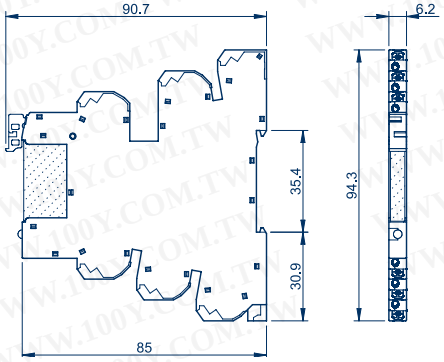
BB = + (plus) for multiple sensors / NO contact is bridgeable
A1 = individual sensor/ NO-contact output

For sensors with 3 connections:

BB = + (plus) for multiple sensors Bridgeable
A2 = - (minus) for multiple sensors Bridgeable
A1 = individual sensor output/

* Sensor with 3 connections (PNP output)
** Sensor with 2 connections or for control via NO contact





Interface Relay Compact IRC

IRCIU

FIRCIU

Screw connection Cat. no./Qty.	IRCIU 1/6 V AC/DC 16245.2 / 10	IRCIU 1/12 V AC/DC 16246.2 / 10	IRCIU 1/24 V AC/DC 16247.2 / 10	IRCIU 1/125 V AC/DC 16248.2 / 10	IRCIU 1/240 V AC 16249.2 / 10
Size (L x W x H) with TS 35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 AC / DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 AC / DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.7 VA / 0.7 W	1 VA / -
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO 1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)
Standard contact material	AgNi + Au	AgNi + Au	AgNi + Au	AgNi + Au	AgNi + Au
Component, screw socket base					
Type Cat. no./Qty.	IRCI 6-12-24 V AC/DC 16201.2 / 10	IRCI 6-12-24 V AC/DC 16201.2 / 10	IRCI 6-12-24 V AC/DC 16201.2 / 10	IRCI 110-125 V AC/DC 16202.2 / 10	IRCI 230-240 V AC 16203.2 / 10
Components, plug relays					
Type Cat. no./Qty.	PRC 1/5 V DC Au 15557.2 / 10	PRC 1/12 V DC Au 15558.2 / 10	PRC 1/24 V DC Au 15559.2 / 10	PRC 1/60 V DC Au 15568.2 / 10	PRC 1/60 V DC Au 15568.2 / 10

Pressure-spring connection Cat. no./Qty.	FIRCIU 1/6 V AC/DC 16275.2 / 10	FIRCIU 1/12 V AC/DC 16276.2 / 10	FIRCIU 1/24 V AC/DC 16277.2 / 10	FIRCIU 1/125 V AC/DC 16278.2 / 10	FIRCIU 1/240 V AC 16279.2 / 10
Size (L x W x H) with TS 35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 AC / DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 AC / DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.7 VA / 0.7 W	1 VA / -
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 VAC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)	50 mW (5 V / 2 mA)
Standard contact material	AgNi + Au	AgNi + Au	AgNi + Au	AgNi + Au	AgNi + Au
Component, pressure-spring socket base					
Type Cat. no./Qty.	FIRCI 6-12-24 V AC/DC 16221.2 / 10	FIRCI 6-12-24 V AC/DC 16221.2 / 10	FIRCI 6-12-24 V AC/DC 16221.2 / 10	FIRCI 110-125 V AC/DC 16222.2 / 10	FIRCI 230-240 V AC 16223.2 / 10
Components, plug relays					
Type Cat. no./Qty.	PRC 1/5 V DC Au 15557.2 / 10	PRC 1/12 V DC Au 15558.2 / 10	PRC 1/24 V DC Au 15559.2 / 10	PRC 1/60 V DC Au 15568.2 / 10	PRC 1/60 V DC Au 15568.2 / 10

Accessories	Type	Cat. no./Qty.
Partition plate	TW/IRC	16228.2 / 10
External cross-connector, blue	AQI/IRC/16 BU	16209.5 / 10
External cross-connector, black	AQI/IRC/16 BK	16209.4 / 10
External cross-connector, red	AQI/IRC/16 RD	16209.9 / 10
Ribbon cable adapter	FCA/IRC	16229.2 / 10
Tool / screwdriver	SDB 0.6 x 3.5	1086.0 / 10
Labelling/markers, blank	MC GS 6x12 R WH	3884.7 / 600
Labelling/markers, special print	MC GS 6x12 R So WH	3885.7 / 600

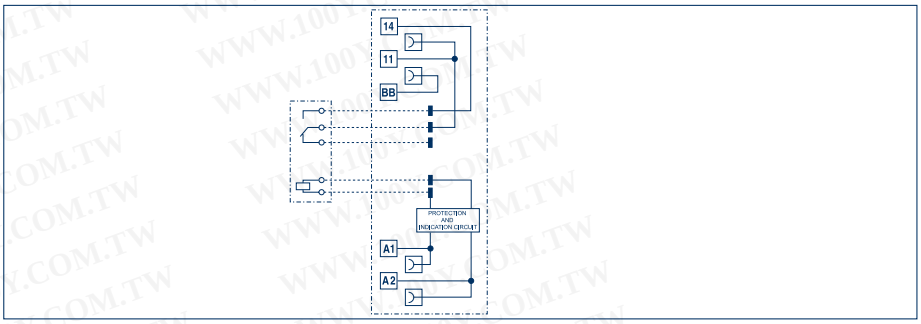
Interface Relay Compact IRC

IRC output series

Consisting of:
- Base terminal and pluggable relay
- Mounts on TS 35

- Advantageous for connecting actuators to the PLC output
- Control and power supply for the actuator can be connected to the same coupling relay
- Internal EMC coil circuitry and LED display
- Pluggable cross-connection (blue, black, red) makes installations easier
- Screw or pressure-spring connection

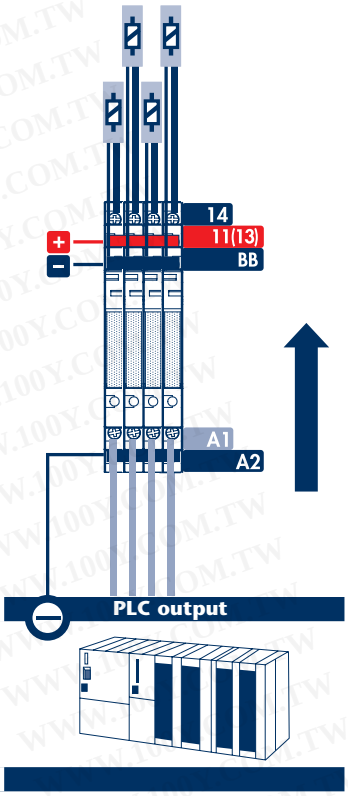
(F)IRCOU



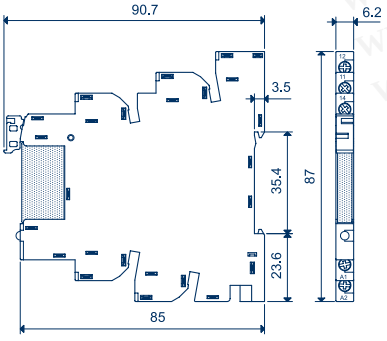
General specifications:			
Mech. service life AC/DC switching cycles	10×10^6		
Electrical service life AC 1 switching cycles	60×10^3		
Response time/Release time	5/6 ms		
Ambient temperature	- 40 °C – + 70 °C		
Relay protection type	IP 20		
Bounce time at the NO of the NO/NC contact	1 ms/6 ms		
Vibration resistance (10-55) Hz NO/NC contact	10 g / 5 g		
Ambient heat dissipation without contact current	0.2 W (24 V) – 0.4 W (230 V)		
Ambient heat dissipation under continuous current	0.6 W (24 V) – 0.9 W (230 V)		
Insulation properties acc. to EN 61810-1			
Rated voltage of power supply system	230 / 400 V AC		
Rated insulation voltage / contamination degree	250 V AC / 3		
Insulation between coil and contact set			
Overvoltage category	III		
Rated impulse voltage	6 kV (1.2/50 µs)		
Dielectric strength	4,000 V AC		
Insulation at open contact			
Dielectric strength	1,000 V AC / 1.5 kV (1.2/50 µs)		
EMC - interference immunity of the input circuit	**UN ≤ 60 V**	**UN = 125 V**	**UN = 230 V**
Burst (5/50 ns, 5 kHz) on A1 - A2 according to EN 61000-4-4	4 kV	4 kV	4 kV
Surge (1.2/50 µs) on A1 - A2 according to EN 61000-4-5 (differential mode)	0.8 kV	2 kV	4 kV

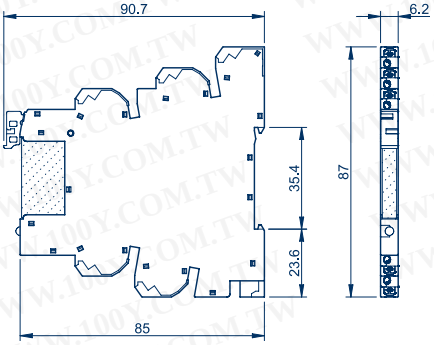
Rated data for the base	Screw connection IRC	Pressure-spring connection
Stripping length	10 mm	8 mm
Torque	0.5 Nm	-
Max. wire cross-section, solid | finely stranded	1 x 2.5 | 1 x 2.5 mm²	1 x 2.5 | 1 x 2.5 mm²
Min. wire cross-section, solid | finely stranded	1 x 0.2 | 1 x 2.5 mm²	1 x 0.2 | 1 x 2.5 mm²
Max. wire cross-section, solid | finely stranded	1 x 14 AWG | 1 x 14 AWG	1 x 14 AWG | 1 x 14 AWG
Min. wire cross-section, solid | finely stranded	1 x 24 AWG | 1 x 24 AWG	1 x 24 AWG | 1 x 24 AWG

Actuator level



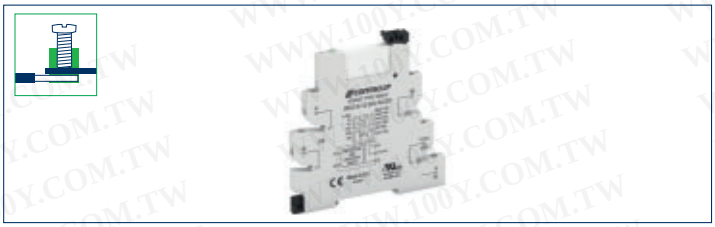
Apply the operating voltage for actuators to
BB - 11 (polarity insensitive)
BB = bridgeable for multiple actuators
11 = bridgeable for multiple actuators
14 = individual control of the actuators



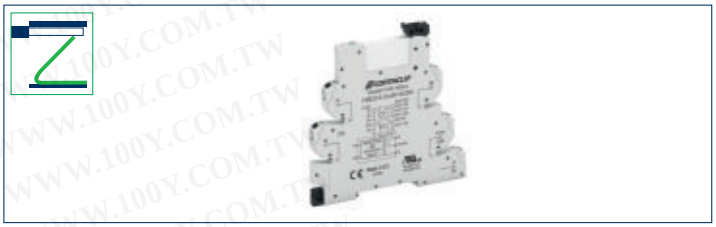


Interface Relay Compact IRC

IRCOU



FIRCOU



Screw connection Cat. no./Qty.	IRCOU 1/6 V AC/DC 16250.2 / 10	IRCOU 1/12 V AC/DC 16251.2 / 10	IRCOU 1/24 V AC/DC 16252.2 / 10	IRCOU 1/125 V AC/DC 16253.2 / 10	IRCOU 1/240 V AC 16254.2 / 10
Size (L x W x H) with TS 35 x 7.5	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm	87 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 AC / DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 AC / DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.7 VA / 0.7 W	1 VA / -
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, screw socket base					
Type Cat. no./Qty.	IRCO 6-12-24 V AC/DC 16204.2 / 10	IRCO 6-12-24 V AC/DC 16204.2 / 10	IRCO 6-12-24 V AC/DC 16204.2 / 10	IRCO 110-125 V AC/DC 16205.2 / 10	IRCO 230-240 V AC 16206.2 / 10
Components, plug relays					
Type Cat. no./Qty.	PRC 1/5 V DC 15500.2 / 10	PRC 1/12 V DC 15501.2 / 10	PRC 1/24 V DC 15502.2 / 10	PRC 1/60 V DC 15503.2 / 10	PRC 1/60 V DC 15503.2 / 10

Pressure-spring connection Cat. no./Qty.	FIRCOU 1/6 V AC/DC 16280.2 / 10	FIRCOU 1/12 V AC/DC 16281.2 / 10	FIRCOU 1/24 V AC/DC 16282.2 / 10	FIRCOU 1/125 V AC/DC 16283.2 / 10	FIRCU 1/240 V AC 16284.2 / 10
Size (L x W x H) with TS 35 x 7.5	87 x 6.2 x 90.7 mm	87 x 6.2 x 90.7 mm	87 x 6.2 x 90.7 mm	87 x 6.2 x 90.7 mm	87 x 6.2 x 90.7 mm
Weight	33 g	33 g	33 g	33 g	33 g
Operating voltage	6 V AC / DC	12 V AC / DC	24 AC / DC	125 V AC / DC	240 V AC
Input data					
Rated voltage (Un)	6 V AC / DC	12 V AC / DC	24 AC / DC	110-125 V AC / DC	220-240 V AC (50/60 Hz)
Power rating AC / DC	0.2 VA / 0.2 W	0.2 VA / 0.2 W	0.25 VA / 0.25 W	0.7 VA / 0.7 W	1 VA / -
Operating range	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un	(0.8-1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Output specifications					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current|Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)	500 mW (12 V / 10 mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Component, pressure-spring socket base					
Type Cat. no./Qty.	FIRCO 6-12-24 V AC/DC 16224.2 / 10	FIRCO 6-12-24 V AC/DC 16224.2 / 10	FIRCO 6-12-24 V AC/DC 16224.2 / 10	FIRCO 110-125 V AC/DC 16225.2 / 10	FIRCO 230-240 V AC 16226.2 / 10
Components, plug relays					
Type Cat. no./Qty.	PRC 1/5 V DC 15500.2 / 10	PRC 1/12 V DC 15501.2 / 10	PRC 1/24 V DC 15502.2 / 10	PRC 1/60 V DC 15503.2 / 10	PRC 1/60 V DC 15503.2 / 10

Accessories	Type	Cat. no./Qty.
Partition plate	TW/IRC	16228.2 / 10
External cross-connector, blue	AQI/IRC/16 BU	16209.5 / 10
External cross-connector, black	AQI/IRC/16 BK	16209.4 / 10
External cross-connector, red	AQI/IRC/16 RD	16209.9 / 10
Ribbon cable adapter	FCA/IRC	16229.2 / 10
Tool / screwdriver	SDB 0.6 x 3.5	1086.0 / 10
Labelling/markers, blank	MC GS 6x12 R WH	3884.7 / 600
Labelling/markers, special print	MC GS 6x12 R So WH	3885.7 / 600

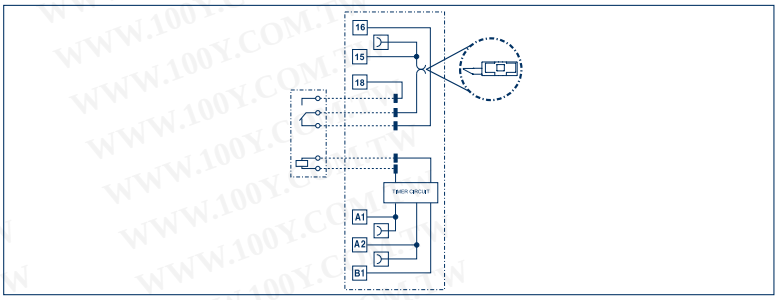
Multifunction timing relay compact MFR-IRCPU

MFR IRCPU series

Consisting of:
- Base terminal and pluggable relay
- Mounts on TS 35

- Multifunction timing relay with eight time functions and four time ranges – configurable with DIP switch up to six hours
- Output fuse module for individual standard micro-fuse (5x20 mm) available as accessory
- Internal EMC coil circuitry and LED display
- Pluggable cross-connection (blue, black, red) makes installations easier
- Screw or pressure-spring connection

MFR (F)IRCPU circuit diagram



General specifications:	
Mech. service life AC/DC switching cycles	10 x 10^6
Electrical service life AC 1 switching cycles	60 x 10^3
Response time/Release time	5/6 ms
Relay protection type	IP 20
Bounce time at the NO of the NO/NC contact	1 ms/6 ms
Vibration resistance (10 – 55 Hz) NO/NC contact	10 g / 5 g
Ambient heat dissipation without contact current	0.2 W (24 V) – 0.4 W (230 V)
Ambient heat dissipation under continuous current	0.6 W (24 V) – 0.9 W (230 V)

Time delay range

Control without a control contact

(A) ON delay

The start is triggered by applying the operating voltage (U). The relay switches to the working position after the adjustable time delay.

(DI) ON pulse

The start is triggered by applying the operating voltage (U). The relay switches immediately to the working position. The relay switches to the rest position after the adjustable wipe time interval.

(GI) Fixed pulse (0.5 s) delayed

When the operating voltage (U) is applied and the set delay time has expired, the relay switches for 0.5 seconds in the working position.

(SW) Blinker ON beginning

The relay switches to the working position when the operating voltage (U) is applied. The relay switches to the rest position after the pulse time interval, and then switches back to the working position (pulse time = pause time).

Control with a control contact

(BE) OFF delay with control contact

The operating voltage (U) is connected. The relay switches immediately to the working position when the start contact (S) is closed. The adjustable OFF delay begins when the start contact opens.

(CE) ON and OFF delay with control contact

The operating voltage (U) is connected. The start contact (S) closes.
The relay switches to the working position after the adjustable time delay. The relay switches to the rest position after the start contact opens and the delay time has expired.

(DE) Impulse-ON with control contact

The operating voltage (U) is connected. The relay switches immediately to the working position when the start contact (S) is closed. The adjustable Impulse-ON time begins when the start contact closes.

(EE) Impulse-OFF via opened start contact

The operating voltage (U) is connected.
The relay switches immediately to the working position when the start contact (S) opens. The adjustable impulse-OFF time begins when the start contact opens.

EMC specifications Standard	Test		Voltage
EN 61000-4-2	Electrostatic discharge	Contact discharge Air discharge	4 kV 8 kV
EN 61000-4-3	Radio frequency, electromagnetic field (80-1000 MHz)		10 V/m
	Radio frequency, electromagnetic field (1400-2700 MHz)		10 V/m
EN 61000-4-4	Quick transients (bursts) (5-50 nS, 5 kHz) at input terminals		4 kV
EN 61000-4-5	Surge (1.2/50 µs) on input terminals	common mode differential mode	2 kV 0.8 kV
EN 61000-4-6	Radio frequency common mode (0.15 ÷ 80 MHz at input terminals)		10 V
EN 55022	Emissions class		Class B

Refer to page 38 for further functional descriptions of the IRC series.

Interface Relay Compact IRC

MFR IRCPU

MFR FIRCPU

Type Cat. no./Qty.	MFR IRCPU 1/12 V AC/DC 16255.2 / 10	MFR IRCPU 1/ 24 V AC/DC 16256.2 / 10	MFR FIRCPU 1/12 V AC/DC 16285.2 / 10	MFR FIRCPU 1/ 24 V AC/DC 16286.2 / 10
Size (L x W x H) with TS 35 x 7.5	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm	94.3 x 6.2 x 95.4 mm
Weight	33 g	33 g	33 g	33 g
Operating voltage	12 V AC / DC	24 V AC / DC	12 V AC / DC	24 V AC / DC
Input data				
Rated voltage (Un)	12 V AC / DC	24 V AC / DC	12 V AC / DC	24 V AC / DC
Power rating AC / DC	0.3 VA / 0.2 W	0.4 VA / 0.3 W	0.3 VA / 0.2 W	0.4 VA / 0.3 W
Operating range	(0.8 to 1.1) Un	(0.8 to 1.1) Un	(0.8 to 1.1) Un	(0.8 to 1.1) Un
Holding current	0.6 Un	0.6 Un	0.6 Un	0.6 Un
Drop-out voltage	0.1 Un	0.1 Un	0.1 Un	0.1 Un
Functions				
	AI: ON delay		AI: ON delay	
	DI: ON pulse		DI: ON pulse	
	GI: Fixed pulse (0.5 s) delayed		GI: Fixed pulse (0.5 s) delayed	
	SW: Blinker ON beginning		SW: Blinker ON beginning	
	BE: OFF delay with control contact		BE: OFF delay with control contact	
	CE: ON and OFF delay with control contact		CE: ON and OFF delay with control contact	
	DE: Impulse-ON with control contact		DE: Impulse-ON with control contact	
	EE: Impulse-OFF with control contact		EE: Impulse-OFF with control contact	
Time delay range				
	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h		(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h	
Displays				
	LED = Position of output relay		LED = Position of output relay	
Connection data				
Connection type	Screw connection		Pressure-spring connection	
Stripping length	10 mm		8 mm	
Torque	0.5 Nm		-	
Max. wire cross-section, solid | finely stranded	1 x 2.5 | 1 x 2.5 mm²		1 x 2.5 | 1 x 2.5 mm²	
Min. wire cross-section, solid | finely stranded	1 x 0.2 | 1 x 2.5 mm²		1 x 0.2 | 1 x 2.5 mm²	
Max. wire cross-section, solid | finely stranded	1 x 14 AWG | 1 x 14 AWG		1 x 14 AWG | 1 x 14 AWG	
Min. wire cross-section, solid | finely stranded	1 x 24 AWG | 1 x 24 AWG		1 x 24 AWG | 1 x 24 AWG	
Technical data				
Time delay range	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h		(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h	
Repeat accuracy	± 1 %		± 1 %	
Recovery time	< 50 ms		< 50 ms	
Setting tolerance to end value	± 5 %		± 5 %	
Ambient temperature	-40 to +50 °C		-40 to +50 °C	
Output specifications				
Number of contacts	1 CO contact		1 CO contact	
Max. continuous current | Max. inrush current	6/10 A		6/10 A	
Rated voltage | Max. switching voltage	250/400 V AC		250/400 V AC	
Max. switching capacity AC 1	1,500 VA		1,500 VA	
Max. switching capacity AC 15 (230 V AC)	300 VA		300 VA	
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW		0.185 kW	
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A		6/0.2/0.12 A	
Min. switching load	500 mW (12 V / 10 mA)		500 mW (12 V / 10 mA)	
Standard contact material	AgNi		AgNi	
Components, socket base				
Type **Cat. no./Qty.**	**MFR IRCP 12-24 V AC/DC** **16207.2 / 10**	**MFR IRCP 12-24 V AC/DC** **16207.2 / 10**	**MFR FIRCP 12-24 V AC/DC** **16227.2 / 10**	**MFR FIRCP 12-24 V AC/DC** **16227.2 / 10**
Components, plug relays				
Type **Cat. no./Qty.**	**PRC 1/12 V DC** **15501.2 / 10**	**PRC 1/24 V DC** **15502.2 / 10**	**PRC 1/12 V DC** **15501.2 / 10**	**PRC 1/24 V DC** **15502.2 / 10**

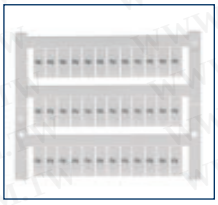
Accessories	Type	Cat. no./Qty.
Partition plate	TW/IRC	16228.2 / 10
External cross-connector, blue	AQI/IRC/16 BU	16209.5 / 10
External cross-connector, black	AQI/IRC/16 BK	16209.4 / 10
External cross-connector, red	AQI/IRC/16 RD	16209.9 / 10
Ribbon cable adapter	FCA/IRC	16229.2 / 10
Fuse modules	SM-IRC	16208.2 / 10
Tool / screwdriver	SDB 0.6 x 3.5	1086.0 / 10
Labelling/markers, blank	MC GS 6x12 R WH	3884.7 / 600
Labelling/markers, special print	MC GS 6x12 R So WH	3885.7/ 600

Plug relay compact PRC

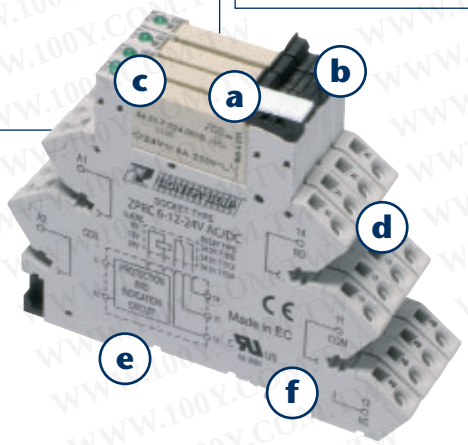
Relay terminals with 1 CO relay

1. Overview

a **Labelling | Marking**
The socket bases have a labelling surface which is optimally suited for our **PMC Pocket-Maxicard (PMC BSTR 6/30)** standard marking systems. In addition to our large variety of standard labels, **CONTA-CLIP** can also provide "just-in-time" individual labelling for you.

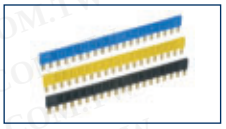


b **Using the mount/dismount lever**
The mounting and dismounting mechanism forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever!



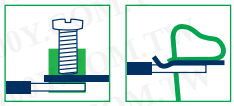
c **Pluggable relay**
Pluggable relays are also available with AgSNO and gold contacts, to fit with the many functions of your individual requirements!

d **Pluggable external cross-connections**
The AQI/PRC pluggable cross-connection system enables a time-saving distribution of potentials. The AQI/PRC is constructed so that it is protected against accidental touch. It is available as a 20-pole unit, in either yellow, blue or black. The cross-connection can be shortened to fewer poles in order to fit the required interface. Insulation plating can be used to insulate the ends.



e **Mounts on standard TS 35 rail**
CONTA-CLIP relay terminals can be arranged as required on standard TS 35 DIN rails in accordance with EN 60715.

f **Connection types**
All of our relay terminals are optionally available with screw or tension-spring connection systems.

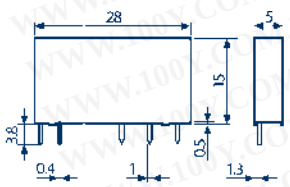


2. Approvals (details upon request)

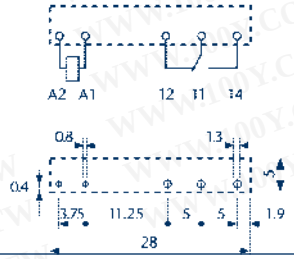
3. Features

I. Relay
- 5 mm width, extremely narrow monitoring relay
- Sensitive DC coil, 170 mW
- Secure isolation between the coil and the contacts, according to VDE 0160/ EN 50178
- 6 mm clearance distance, 8 mm creepage distance
- 6 kV (1.2/50 µs)
- Protection class II, according to VDE 0631/EN 60730

Relay - complete view



Connection diagram



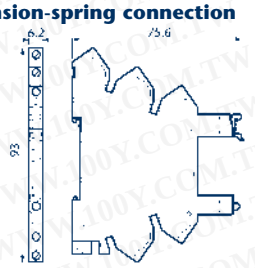
Plug relay compact PRC

Relay terminals with 1 CO relay

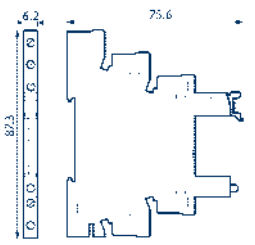
II. Socket base

- Mounts on TS 35
- Very versatile and modular construction of individual relay bases
- User-friendly, because the relays can be easily replaced
- High-quality connection terminals (Tension-spring or screw connection system)
- Integrated EMC coil circuitry, and LED
- High-quality innovative mount/dismount lever
- All versions are optionally available with screw or tension-spring connection system

Tension-spring connection



Screw connection



4. General specifications

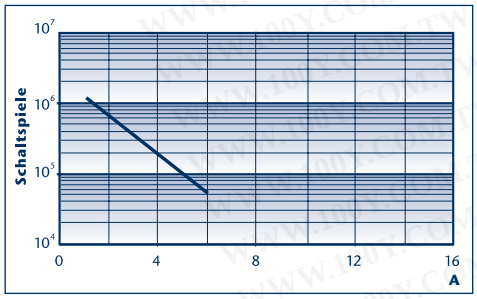
Electro-mechanical relay

Insulation properties		
Insulation coordination, according to EN 61810-1, VDE 0435 T 201.	Rated insulation voltage	250
	Rated surge voltage, kV	4
	Contamination degree	3
	Overvoltage category	III

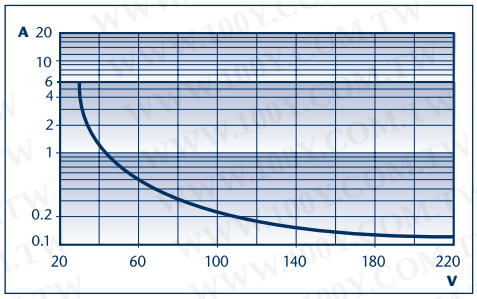
EMC - interference immunity of the control circuit (coil)		
BURST (5 to 50) ns, 5 kHz, on A 1-A 2	EN 61000-4-4	Class 4 (4 kV)
SURGE (1.2/50) µs on A 1-A 2 (differential mode)	EN 61000-4-5	Class 3 (2 kV)

Additional data			
Bounce time at close of the NO/NC contact		ms	1/6
Resistance to vibration (10 to 55 Hz, max. ± 1mm):			
	NO/NC contact	g/g	10/5 flux density
Ambient heat dissipation	without contact current	W	0.2 (12 V) to 0.9 (240 V)
	with continuous current	W	0.5 (12 V) to 1.5 (240 V)

5. Contact data



Service life of contact under AC 1 load



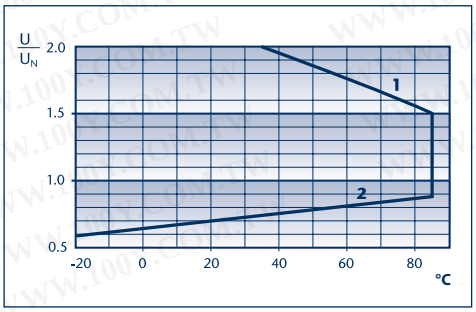
Switching capacity under DC 1 load

- Under resistive load (DC 1) and with an intersection of current and voltage that lies under the curve: this is an indication of an electrical lifespan greater or equal to 100,000 switching cycles.
- Under inductive load (DC 13), a free-wheel diode should be switched parallel to the load. Note: the return time increases.

6. Coil data

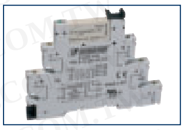
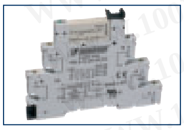
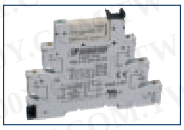
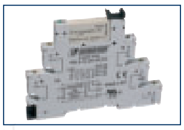
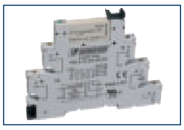
DC version

Rated U_N V	Operating range U_{min} V	U_{max} V	Resistance R Ω	Rated voltage current I mA
5	3.5	7.5	130	38.4
12	8.4	18	840	14.2
24	16.8	36	3,350	7.1
48	33.6	72	12,300	3.9
60	42	90	19,700	3



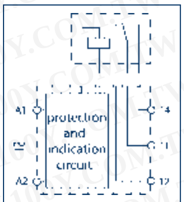
Reliable range of operating voltage
1 Max. permitted coil voltage
2 Response voltage, when coil temperature is equal to ambient temperature

Plug relay compact PRC

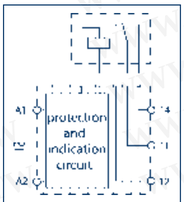
Screw-connection relay terminals	PRCU 1/6V DC	PRCU 1/12V DC	PRCU 1/24V DC	PRCU 1/12V AC/DC	PRCU 1/24V AC/DC
· Consisting of: Base terminal and pluggable relay · Mounts on TS 35					

Connection diagram

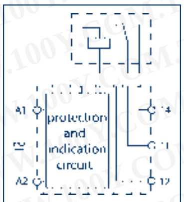
- Internal EMC coil circuitry and LED display
- LW version: Internal AC residual current suppression and LED display



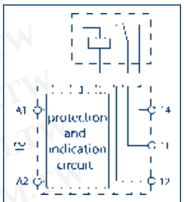
Base



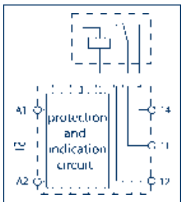
Base



Base



Base



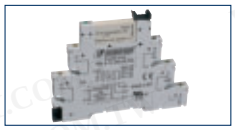
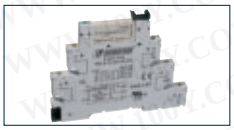
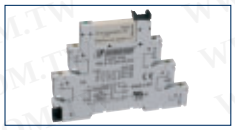
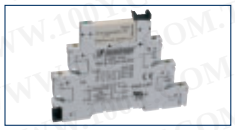
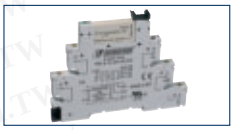
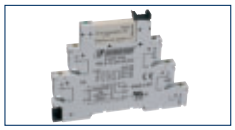
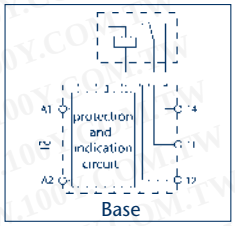
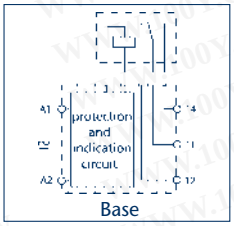
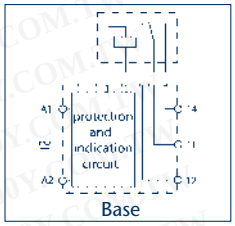
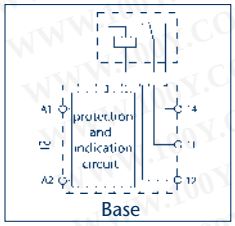
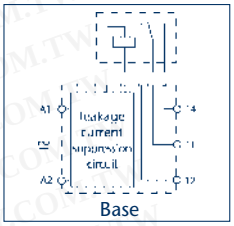
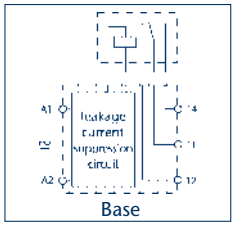
Base

Type	**PRCU 1/6 V DC**	**PRCU 1/12 V DC**	**PRCU 1/24 V DC**	**PRCU 1/12 V AC/DC**	**PRCU 1/24 V AC/DC**
Cat. no./Qty. Type/Colour grey (RAL 7032)	**15513.2**/10	**15514.2**/10	**15515.2**/10	**15569.2**/10	**15508.2**/10
Size (L x W x H) with TS 35 x 7.5	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm
Weight	36 g	36 g	36 g	36 g	36 g
Rated operating voltage	6 V DC	12 V DC	24 V DC	12 V AC/DC	24 V AC/DC
General specifications					
Mech. lifespan AC/DC switching cycles	–/10 x 10^6	–/10 x 10^6	–/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6
Electrical lifespan AC 1 switching cycles	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3
Response time/Release time	5/6 ms	5/6 ms	5/6 ms	5/6 ms	5/6 ms
Insulation coordination, EN 61810-5	4 kV/3	4 kV/3	4 kV/3	4 kV/3	4 kV/3
Dielectric strength coil/contacts (1.2/50 µs)	6 kV	6 kV	6 kV	6 kV	6 kV
Dielectric strength of open contacts	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC
Ambient temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Relay protection type	RT II	RT II	RT II	RT II	RT II
Ratings for socket base					
Ambient temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Stripping length	10 mm	10 mm	10 mm	10 mm	10 mm
Max. wire cross-section, solid | finely stranded	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2
	1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG
Ratings for plug-relays combined with socket base **Contacts**					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current | Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 VAC*	250/400 VAC*	250/400 VAC*	250/400 VAC*	250/400 VAC*
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Coil					
Rated voltage (U_N)	5 V DC | – AC	12 V DC | – AC	24 V DC | – AC	12 V DC | 12 AC	24 V DC | 24 AC
Power rating AC/DC	0.2 W	0.2 W	0.2 W	0.2 W	0.2 W
Operating range	-	-	-	(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_NAC (50/60 Hz)
	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC
Holding current	0.6 U_NDC	0.6 U_NDC	0.6 U_NDC	0.6 U_NAC/0.6 U_NDC	0.6 U_NAC/0.6 U_NDC
Drop-out voltage	0.05 U_NDC	0.05 U_NDC	0.05 U_NDC	0.1 U_NAC/0.05 U_NDC	0.1 U_NAC/0.05 U_NDC

Components, socket base					
Type/Colour grey (RAL 7032) **Cat. no.**/Qty.	**PRC 6-12-24V DC** 15490.2/10	**PRC 6-12-24V DC** 15490.2/10	**PRC 6-12-24V DC** 15490.2/10	**PRC 6-12-24V AC/DC** 15488.2/10	**PRC 6-12-24V AC/DC** 15488.2/10
Components, plug relays					
Type/Rated voltage **Cat. no.**/Qty.	**PRC 1/5V DC** **15500.2**/10*3	**PRC 1/24V DC** **15501.2**/10*3	**PRC 1/24V DC** **15502.2**/10*3	**PRC 1/12V DC** **15501.2**/10*3	**PRC 1/24V DC** **15502.2**/10*3
Accessories for AQI/PRC ext. insulated cross-connection	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**
Cat. no./Qty. yellow	**15545.8**/1	**15545.8**/1	**15545.8**/1	**15545.8**/1	**15545.8**/1
Cat. no./Qty. blue	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1
Cat. no./Qty. black	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1
Partition plate TW/PRC	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**
Cat. no./Qty.	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1
Labelling/markers PMC	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**
Cat. no./Qty. standard print, see catalogue	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT
Cat. no./Qty. blank	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300
Cat. no./Qty. special print	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300
Screwdriver SDB	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**
Cat. no./Qty.	**1086.0**/1	**1086.0**/1	**1086.0**/1	**1086.0**/1	**1086.0**/1

* The conditions of contamination degree 2 are fulfilled at 400 V.
*1 In order for the relay to de-energise, the residual current can be suppressed/controlled via the SPS-230V semiconductor outputs, long control lines (LW), thyristors, and an inductive proximity switch!
*2 Since this relay is only produced for DC at a max. 60 V, the adjustment to the operating voltage occurs via the internal resistance and bridge rectifiers!
*3 Relay available with gold contact upon request!

Plug relay compact PRC

PRCU 1/48V AC/DC	PRCU 1/60V AC/DC	PRCU 1/125V AC/DC	PRCU 1/240V AC/DC	PRCU LW 1/125V AC/DC	PRCU LW 1/240V AC
					
					
PRCU 1/48 V AC/DC	**PRCU 1/60 V AC/DC**	**PRCU 1/125 V AC/DC**	**PRCU 1/240 V AC/DC**	**PRCU LW 1/125 V AC/DC**	**PRCU LW 1/240 V AC**
15509.2/10	**15510.2**/10	**15511.2**/10*[2]	**15512.2**/10*[2]	**15553.2**/10*[2]	**15554.2**/10*[2]
87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm	87.3 x 6.2 x 79.9 mm
36 g	36 g	36 g	36 g	36 g	36 g
48 V AC/DC	60 V AC/DC	125 V AC/DC	230 V AC/DC	125 V AC/DC	230 V AC
10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6
60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3
5/6 ms	5/6 ms	5/6 ms	5/6 ms	5/6 ms	5/6 ms
4 kV/3	4 kV/3	4 kV/3	4 kV/3	4 kV/3	4 kV/3
6 kV	6 kV	6 kV	6 kV	6 kV	6 kV
1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
RT II	RT II	RT II	RT II	RT II	RT II
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2	1x2.5 | 1x2.5 mm^2
1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG	1x14 | 1x14 AWG
1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
6/10 A	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
250/400 VAC*	250/400 VAC*	250/400 VAC*	250/400 VAC*	250/400 VAC*	250/400 VAC*
1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
300 VA	300 VA	300 VA	300 VA	300 VA	300 VA
0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)
AgNi	AgNi	AgNi	AgNi	AgNi	AgNi
48 V DC | 48 AC	60 V DC | 60 AC	110 to 125 V DC | 110 to 125 AC	220 to 240 V DC | 220 to 240 AC	110 to 125 V DC | 110 to 125 AC	– V DC | 220 to 240 VAC
0.2 W	0.2 W	0.2 W	0.2 W	1.0 W	0.5 W
(0.8 to 1.1) U_NAC (50/60 Hz)	(0.8 to 1.1) U_NAC (50/60 Hz)	(0.8 to 1.1) U_NAC (50/60 Hz)	(0.8 to 1.1) U_NAC (50/60 Hz)	(0.8 to 1.1) U_NAC (50/60 Hz)	(0.8 to 1.1) U_NAC (50/60 Hz)
(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC
0.6 U_NAC/0.6 U_NDC	0.6 U_NAC/0.6 U_NDC	0.6 U_NAC/0.6 U_NDC	0.6 U_NAC/0.6 U_NDC	0.6 U_NAC/0.6 U_NDC	0.6 U_NAC/- U_NDC
0.1 U_NAC/0.05 U_NDC	0.1 U_NAC/0.05 U_NDC	0.1 U_NAC/0.05 U_NDC	0.1 U_NAC/0.05 U_NDC	0.1 U_NAC/0.05 U_NDC	0.1 U_NAC/- U_NDC
PRC 48-60V AC/DC	**PRC 48-60V AC/DC**	**PRC 110... 125V AC/DC**	**PRC 220... 240V AC/DC**	**PRC LW 110... 125V AC/DC**	**PRC LW 220... 240V AC**
15496.2/10	**15496.2/10**	**15497.2/10**	**15489.2/10**	**15555.2/10**	**15491.2/10**
PRC 1/48V DC	**PRC 1/60V DC**	**PRC 1/60V DC**	**PRC 1/60V DC**	**PRC 1/60V DC**	**PRC 1/60V DC**
15547.2/10*[3]	**15503.2**/10*[3]	**15503.2**/10*[3]	**15503.2**/10*[3]	**15503.2**/10*	**15503.2**/10*3
AQI/PRC/20	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**
15545.8/1	**15545.8**/1	**15545.8**/1	**15545.8**/1	15545.8/1	15545.8/1
15545.5/1	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1
15545.4/1	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1
TW/PRC	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**
15546.2/1	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1
PMC BSTR 6/30	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**
CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT
9106.7/300	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300
9107.7/300	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300
SDB 0.6 x 3.5	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**
1086.0/1	**1086.0**/1	**1086.0**/1	**1086.0**/1	**1086.0**/1	**1086.0**/1

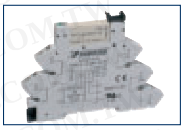
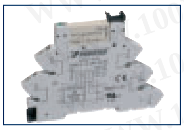
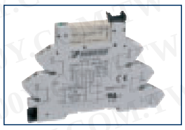
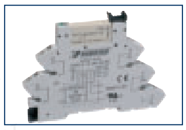
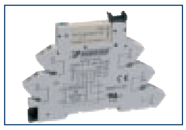
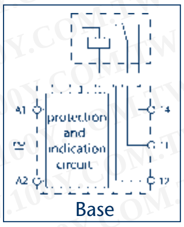
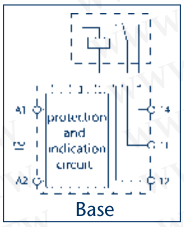
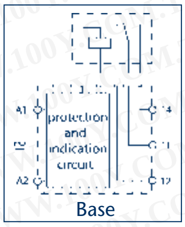
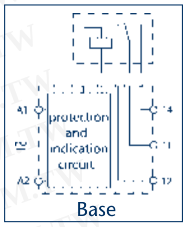
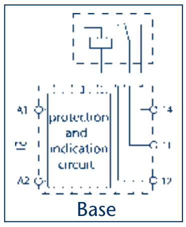
Plug relay compact PRC

Tension-spring relay terminals

- Consisting of:
  Base terminal and pluggable relay
- Mounts on TS 35

Connection diagram

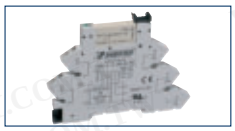
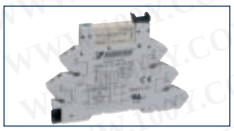
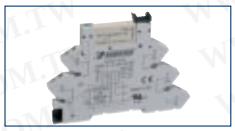
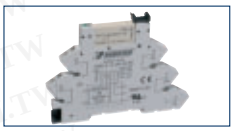
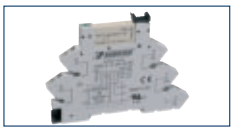
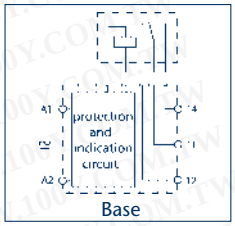
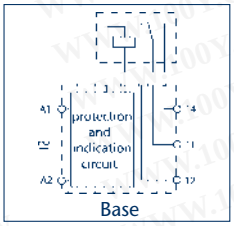
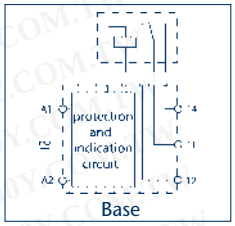
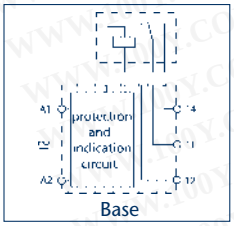
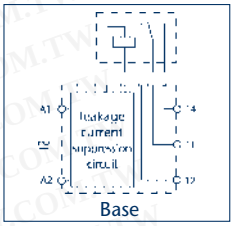
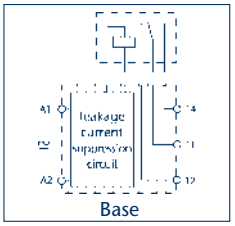
- Internal EMC coil circuitry and LED display
- LW version:
  Internal AC residual current suppression and LED display

ZPRCU 1/6V DC	ZPRCU 1/12V DC	ZPRCU 1/24V DC	ZPRCU 1/12V AC/DC	ZPRCU 1/24V AC/DC
				
				

Type	ZPRCU 1/6V DC	ZPRCU 1/12V DC	ZPRCU 1/24V DC	ZPRCU 1/12V AC/DC	ZPRCU 1/24V AC/DC
Cat. no./Qty. Type/Colour grey (RAL 7032)	**15524.2**/10	**15525.2**/10	**15526.2**/10	**15518.2**/10	**15519.2**/10
Size (L x W x H) with TS 35 x 7.5	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm
Weight	36 g	36 g	36 g	36 g	36 g
Rated operating voltage	6 V DC	12 V DC	24 V DC	12 V AC/DC	24 V AC/DC
General specifications					
Mech. lifespan AC/DC Switching cycles	–/10 x 10^6	–/10 x 10^6	–/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6
Electrical lifespan AC 1 Switching cycles	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3
Response time/Release time	5/6 ms	5/6 ms	5/6 ms	5/6 ms	5/6 ms
Insulation coordination, EN 61810-5	4 kV/3	4 kV/3	4 kV/3	4 kV/3	4 kV/3
Dielectric strength coil/contacts (1.2/50 µs)	6 kV	6 kV	6 kV	6 kV	6 kV
Dielectric strength of open contacts	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC
Ambient temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Relay protection type	RT II	RT II	RT II	RT II	RT II
Ratings for socket base					
Ambient temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Stripping length	10 mm	10 mm	10 mm	10 mm	10 mm
Max. wire cross-section, solid | finely stranded mm²	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5
AWG	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16
Ratings for plug-relays combined with socket base **Contacts**					
Number of contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. continuous current | Max. inrush current	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA	300 VA	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
Min. switching load	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)
Standard contact material	AgNi	AgNi	AgNi	AgNi	AgNi
Coil					
Rated voltage (U_N)	5 V DC | – AC	12 V DC | – AC	24 V DC | – AC	12 V DC | 12 AC	24 V DC | 24 AC
Power rating AC/DC	0.2 W	0.2 W	0.2 W	0.2 W	0.2 W
Operating range	-	-	-	(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_N AC (50/60 Hz)
	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC
Holding current	0.6 U_NDC	0.6 U_NDC	0.6 U_NDC	0.6 U_N AC/0.6 U_N DC	0.6 U_N AC/0.6 U_N DC
Drop-out voltage	0.05 U_NDC	0.05 U_NDC	0.05 U_NDC	0.1 U_N AC/0.05 U_N DC	0.1 U_N AC/0.05 U_N DC
Components, socket base					
Type/Colour grey (RAL 7032) **Cat. no.**/Qty.	**ZPRC 6-12-24V DC** **15494.2**/10	**ZPRC 6-12-24V DC** **15494.2**/10	**ZPRC 6-12-24V DC** **15494.2**/10	**ZPRC 6-12-24V AC/DC** **15492.2**/10	**ZPRC 6-12-24V AC/DC** **15492.2**/10
Components, plug relays					
Type/Rated voltage **Cat. no.**/Qty.	**PRC 1/5V DC** **15500.2**/10*3	**PRC 1/12V DC** **15501.2**/10*3	**PRC 1/24V DC** **15502.2**/10*3	**PRC 1/12V DC** **15501.2**/10*3	**PRC 1/24V DC** **15502.2**/10*3
Accessories for AQI/PRC ext. insulated cross-connection	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**
Cat. no./Qty. yellow	**15545.8**/1	**15545.8**/1	**15545.8**/1	**15545.8**/1	**15545.8**/1
Cat. no./Qty. blue	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1
Cat. no./Qty. black	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1
Partition plate TW/PRC	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**
Cat. no./Qty.	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1
Labelling/markers PMC	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**
Cat. no./Qty. standard print, see catalogue	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT
Cat. no./Qty. blank	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300
Cat. no./Qty. special print	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300
Metal actuating tool BWMA	**BWMA 1**	**BWMA 1**	**BWMA 1**	**BWMA 1**	**BWMA 1**
Cat. no./Qty.	**3808.0**/1	**3808.0**/1	**3808.0**/1	**3808.0**/1	**3808.0**/1

* The conditions of contamination degree 2 are fulfilled at 400 V.
*1 In order for the relay to de-energise, the residual current can be suppressed/controlled via the SPS-230V semiconductor outputs, long control lines (LW), thyristors, and an inductive proximity switch!
*2 Since this relay is only produced for DC at a max. 60 V, the adjustment to the operating voltage occurs via the internal resistance and bridge rectifiers!
*3 Relay available with gold contact upon request!

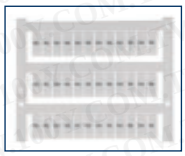
Plug relay compact PRC

ZPRCU 1/48V AC/DC	ZPRCU 1/60V AC/DC	ZPRCU 1/125V AC/DC	ZPRCU 1/240V AC/DC	ZPRCU LW 1/125V AC/DC	ZPRCU LW 1/240V AC
					
					
ZPRCU 1/48V AC/DC	**ZPRCU 1/60V AC/DC**	**ZPRCU 1/125V AC/DC**	**ZPRCU 1/240V AC/DC**	**ZPRCU LW 1/125V AC/DC**	**ZPRCU LW 1/240V AC**
15520.2/10	**15521.2**/10	**15522.2**/10*2	**15523.2**/10*2	**15551.2**/10*2	**15552.2**/10*2
93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm
36 g	36 g	36 g	36 g	36 g	36 g
48 V AC/DC	60 V AC/DC	125 V AC/DC	230 V AC/DC	125 V AC/DC	230 V AC
10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6	10 x 10^6/10 x 10^6
60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3	60 x 10^3
5/6 ms	5/6 ms	5/6 ms	5/6 ms	5/6 ms	5/6 ms
4 kV/3	4 kV/3	4 kV/3	4 kV/3	4 kV/3	4 kV/3
6 kV	6 kV	6 kV	6 kV	6 kV	6 kV
1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC	1,000 V AC
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
RT II	RT II	RT II	RT II	RT II	RT II
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5	1x2.5/2x1.5 | 1x2.5/2x1.5
1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16	1x14/2x16 | 1x14/2x16
1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
6/10 A	6/10 A	6/10 A	6/10 A	6/10 A	6/10 A
250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC	250/400 V AC
1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA	1,500 VA
300 VA	300 VA	300 VA	300 VA	300 VA	300 VA
0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW	0.185 kW
6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A	6/0.2/0.12 A
300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)
AgNi	AgNi	AgNi	AgNi	AgNi	AgNi
48 V DC | 48 AC	60 V DC | 60 AC	110 to 125 V DC | 110 to 125 AC	220 to 240 V DC | 220 to 240 AC	110 to 125 V DC | 110 to 125 AC	– V DC | 220 to 240 AC
0.2 W	0.2 W	0.2 W	0.2 W	1.0 W	0.5 W
(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_N AC (50/60 Hz)	(0.8 to 1.1) U_N AC (50/60 Hz)
(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC	(0.8 to 1.2) U_NDC
0.6 U_N AC/0.6 U_N DC	0.6 U_N AC/0.6 U_N DC	0.6 U_N AC/0.6 U_N DC	0.6 U_N AC/0.6 U_N DC	0.6 U_N AC/0.6 U_N DC	0.6 U_N AC/- U_N DC
0.1 U_N AC/0.05 U_N DC	0.1 U_N AC/0.05 U_N DC	0.1 U_N AC/0.05 U_N DC	0.1 U_N AC/0.05 U_N DC	0.1 U_N AC/0.05 U_N DC	0.1 U_N AC/- U_N DC
ZPRC 48-60V AC/DC	**ZPRC 48-60V AC/DC**	**ZPRC 110...125V AC/DC**	**ZPRC 220...240V AC/DC**	**ZPRC LW 110...125 V AC/DC**	**ZPRC LW 220...240V A**
15498.2/10	**15498.2**/10	**15499.2**/10	**15493.2**/10	**15556.2**/10	**15495.2**/10
PRC 1/48V DC	**PRC 1/60V DC**	**PRC 1/60V DC**	**PRC 1/60V DC**	**PRC 1/60V DC**	**PRC 1/60V DC**
15547.2/10*3	**15503.2**/10*3	**15503.2**/10*3	**15503.2**/10*3	**15503.2**/10*3	**15503.2**/10*3
AQI/PRC/20	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**	**AQI/PRC/20**
15545.8/1	**15545.8**/1	**15545.8**/1	**15545.8**/1	**15545.8**/1	**15545.8**/1
15545.5/1	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1	**15545.5**/1
15545.4/1	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1	**15545.4**/1
TW/PRC	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**	**TW/PRC**
15546.2/1	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1	**15546.2**/1
PMC BSTR 6/30	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**	**PMC BSTR 6/30**
CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT	CONTA-CONNECT
9106.7/300	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300	**9106.7**/300
9107.7/300	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300	**9107.7**/300
BWMA 1	**BWMA 1**	**BWMA 1**	**BWMA 1**	**BWMA 1**	**BWMA 1**
3808.0/1	**3808.0**/1	**3808.0**/1	**3808.0**/1	**3808.0**/1	**3808.0**/1

Multi-function timing relay terminal MFR-PRC

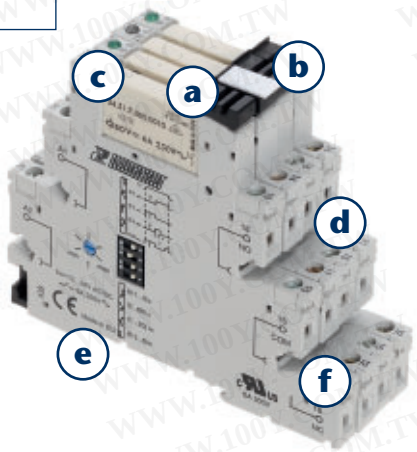
The narrow housing of the new **MFR-PRC** timing relays allows them to be used in very confined spaces. With their minimal width of only 6.2 mm, they open up new possibilities in designing control schemes. Their relay-terminal design makes them very versatile and gives you enormous potential for savings. The bases are compatible with the **PRC** relay system and can thus be easily integrated. Furthermore, they can be combined with familiar accessories such as jumpers and partitions, and they can be conveniently labelled with the **PMC BSTR** marking system from **CONTA-CLIP**.

a **Labelling | Marking**
The socket bases have a labelling surface which is optimally suited for our **PMC Pocket-Maxicard (PMC BSTR 6/30)** standard marking systems. In addition to our large variety of standard labels, **CONTA-CLIP** can also provide "just-in-time" individual labelling for you.

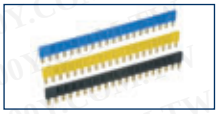


b **Using the mount/dismount lever**
The mount/dismount clamp forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever!

c **Pluggable relay**
Pluggable relays are also available with AgSNO and gold contacts as well as solid-state modules with a variety of voltage inputs and outputs, to fit with the many functions of your individual requirements!

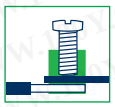


d **Pluggable outer cross-connections**
The **AQI/PRC** pluggable cross-connection system enables a time-saving distribution of potentials. The **AQI/PRC** is constructed so that it is protected against accidental touch. It is available as a 20-pole unit, in either yellow, blue or black. The cross-connection can be shortened to fewer poles in order to fit the required interface. Insulation plating can be used to insulate the ends.



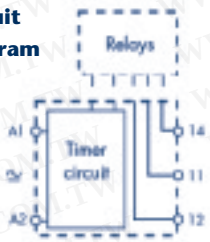
e **Mounts on standard TS 35 rail**
CONTA-CLIP relay terminals can be arranged as required on standard TS 35 DIN rails in accordance with EN 60715.

f **Connection type**
Screw connection system

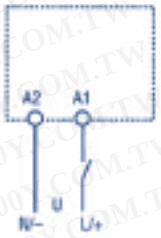


Dimensions

Circuit diagram



Connection diagram



EMC specification

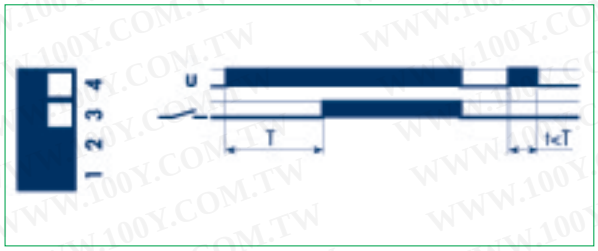
Standard	Test		Voltage
EN 61000-4-2	Electrostatic discharge	Contact discharge	4 kV
		Air discharge	8 kV
EN 61000-4-3	Radio frequency electromagnetic field (80 ÷ 1000 MHz)		10 V/m
EN 61000-4-4	Quick transients (bursts) (5-50 nS, 5 kHz) at input terminals		2 kV
EN 61000-4-5	Surge (1.2/50 µs) on input terminals	common mode	2 kV
		differential mode	1 kV
EN 61000-4-6	Radio frequency common mode (0,15 ÷ 80 MHz at input terminals)		10 V
EN 55022	Emissions class		Class B

Multi-function timing relay terminal MFR-PRC

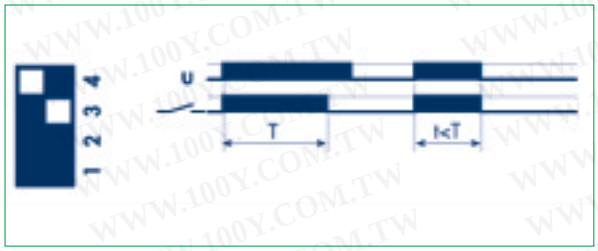
Time delay range

LED	U	Output contact
OFF	OFF	Open
OFF	ON	Open (time running)
ON	ON	Closed

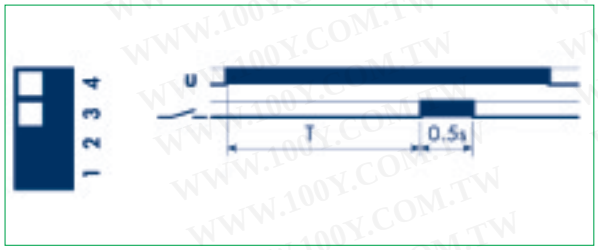
Functions



AI: ON delay
Apply operating voltage to timing relay. The output contacts switch after the set time has expired. Reset takes place after the operating voltage is removed.

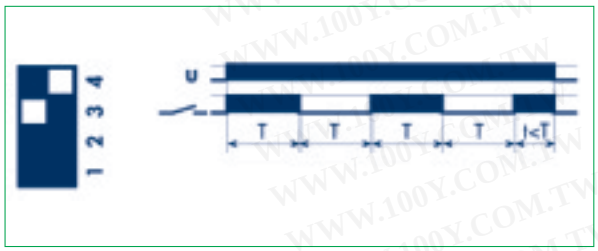


DI: ON pulse
Apply operating voltage to timing relay. The output contacts switch immediately. After the set time, the output contacts switch back.



GI: Fixed pulse (0.5 s) delayed

Apply operating voltage to timing relay. The output contacts switch after the set time has expired. Reset takes place after a fixed time of 0.5 s.



SW: Blinker ON beginning
Apply operating voltage to timing relay. The output contacts switch on immediately and flash at a defined interval until the input voltage is turned off.
The time interval is 1:1 (time on = time off).

U = supply voltage

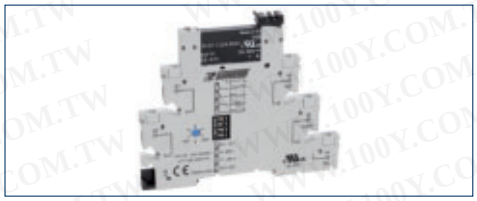
= output contact

Multi-function timing relay terminal MFR-PRC

Screw-connection relay terminals	**MFR PRCU 1/12 V AC/DC**	**MFR PRCU 1/24 V AC/DC**
consisting of: · Base terminal and pluggable relay · Mounts on TS 35		
Type	**MFR PRCU 1/12 V AC/DC**	**MFR PRCU 1/24 V AC/DC**
Cat. no./Qty.	**15952.2**/1	**15953.2**/1
Size (L x W x H) TS 35	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm
Weight	36 g	36 g
Operating voltage	12 V AC/DC	24 V AC/DC
Components		
Socket base		
Type	**MFR PRC 12-24 V AC/DC**	**MFR PRC 12-24 V AC/DC**
Cat. no./Qty.	**15951.2**/10	**15951.2**/10
Weight	30 g	30 g
Mounting foot for DIN rails	TS 35	TS 35
Functions		
	AI: ON delay DI: ON pulse GI: Fixed pulse (0.5 s) delayed SW: Blinker (ON beginning)	AI: ON delay DI: ON pulse GI: Fixed pulse (0.5 s) delayed SW: Blinker (ON beginning)
Time delay range		
	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h
Displays		
	LED = Position of output relay	LED = Position of output relay
Connection data		
Connection type	Screw connection	Screw connection
Stripping length	10 mm	10 mm
Torque	0.5 Nm	0.5 Nm
Max. wire cross-section, solid | finely stranded	1x2.5/2x1.5 | 1x2.5/2x1.5 mm²	1x2.5/2x1.5 | 1x2.5/2x1.5 mm²
Screw connection	1x14/2x16 | 1x14/2x16 AWG	1x14/2x16 | 1x14/2x16 AWG
Input data		
Rated operating voltage	12 V AC/DC	24 V AC/DC
Rated output	0.5 W	0.5 W
Operating voltage range	9.6 to 26.4 V AC/DC	9.6 to 26.4 V AC/DC
Power loss		
without contact current	0.1 W	0.1 W
With rated contact current	0.6 W	0.6 W
Technical data		
Time delay range	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h
Repeat accuracy	± 1 %	± 1 %
Recovery time	< 50 ms	< 50 ms
Setting tolerance to end value	± 5 %	± 5 %
Ambient temperature	-40 to +70 °C (EMR) / -40 to +55 °C (SSR)	-40 to +70 °C (EMR) / -40 to +55 °C (SSR)
Relay		
Type	**PRC 1/12 V DC**	**PRC 1/24 V DC**
Cat. no./Qty.	**15501.2**/10	**15502.2**/10
Weight	6 g	6 g
Ratings for plug-relays combined with socket base		
Contacts		
Number of contacts	1 CO contact	1 CO contact
Max. continuous current | Max. inrush current	6/10 A	6/10 A
Rated voltage | Max. switching voltage	250/400 V AC	250/400 V AC
Max. switching capacity AC 1	1,500 VA	1,500 VA
Max. switching capacity AC 15 (230 V AC)	300 VA	300 VA
1-phase motor load, AC 3-mode (230 V AC)	0.185 kW	0.185 kW
Max. switching current DC 1:30/110/220 V	6/0.2/0.12 A	6/0.2/0.12 AA
Min. switching load	300 (5/5) mW (V/mA)	300 (5/5) mW (V/mA)
Standard contact material	AgNi	AgNi
Coil		
Rated voltage (UN)	12 V AC/DC	24 V AC/DC
Power rating AC/DC	0.2 W	0.2 W
Accessories for AQI/PRC ext. insulated cross-connection	**AQI/PRC/20**	**AQI/PRC/8**
Cat. no./Qty. yellow	**15545.8**/1	**15545.8**/1
Cat. no./Qty. blue	**15545.5**/1	**15545.5**/1
Cat. no./Qty. black	**15545.4**/1	**15545.4**/1
Partition plate TW/PRC	**TW/PRC**	**TW/PRC**
Cat. no./Qty.	**15546.2**/1	**15546.2**/1
Labelling/markers PMC	**MC BSTR 6/30**	**MC BSTR 6/30**
Cat. no./Qty. standard print, see catalogue	CONTA-CONNECT	CONTA-CONNECT
Cat. no./Qty. blank	**9106.7**/300	**9106.7**/300
Cat. no./Qty. special print	**9107.7**/300	**9107.7**/300
Actuating tool / Screwdriver SDB	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**
Cat. no./Qty.	**1086.0**/1	**1086.0**/1

*The conditions of contamination degree 2 are fulfilled at 400 V.

Multi-function timing relay terminal MFR-PSC

Solid-state terminal, screw connection consisting of: · A base terminal and a pluggable solid state module · Mounts on TS 35	**MFR PSCU 1/24 V DC/24 V DC**	**MFR PSCU 1/24 V DC/240 V DC**
		
Type **Cat. no.**/Qty.	**MFR PSCU 1/24 V DC/24 V DC** **15954.2**/1	**MFR PSCU 1/24 V DC/240 V DC** **15955.2**/1
Size (L x W x H) TS 35	93 x 6.2 x 79.9 mm	93 x 6.2 x 79.9 mm
Weight	36 g	36 g
Operating voltage	24 V AC/DC	24 V AC/DC
Components		
Socket base		
Type **Cat. no.**/Qty.	**MFR PRC 12-24 V AC/DC** **15951.2**/10	**MFR PRC 12-24 V AC/DC** **15951.2**/10
Weight	30 g	30 g
Mounting foot for DIN rails	TS 35	TS 35
Functions		
	AI: ON delay DI: ON pulse GI: Fixed pulse (0.5 s) delayed SW: Blinker (ON beginning)	AI: ON delay DI: ON pulse GI: Fixed pulse (0.5 s) delayed SW: Blinker (ON beginning)
Time delay range		
	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h
Displays		
	LED = Position of output relay	LED = Position of output relay
Connection data		
Connection type	Screw connection	Screw connection
Stripping length	10 mm	10 mm
Torque	0.5 Nm	0.5 Nm
Max. wire cross-section, solid | finely stranded	1x2.5/2x1.5 | 1x2.5/2x1.5 mm²	1x2.5/2x1.5 | 1x2.5/2x1.5 mm²
Screw connection	1x14/2x16 | 1x14/2x16 AWG	1x14/2x16 | 1x14/2x16 AWG
Input data		
Rated operating voltage	12 V AC/DC	24 V AC/DC
Rated output	0.5 W	0.5 W
Operating voltage range	9.6 to 26.4 V AC/DC	9.6 to 26.4 V AC/DC
Power loss		
without contact current	0.1 W	0.1 W
With rated contact current	0.5 W	0.5 W
Technical data		
Time delay range	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h	(0.1-3) s, (3-60) s, (1-20) min, (0.3-6) h
Repeat accuracy	± 1 %	± 1 %
Recovery time	< 50 ms	< 50 ms
Setting tolerance to end value	± 5 %	± 5 %
Ambient temperature	-40 to +70 °C (EMR) / -40 to +55 °C (SSR)	-40 to +70 °C (EMR) / -40 to +55 °C (SSR)
Solid-state module		
Type **Cat. no.**/Qty.	**PSC 1/24 V DC-24 V/2 A/DC** **15505.2**/10	**PSC 1/24 V DC-240 V/2 A/AC** **15504.2**/10
Weight	6 g	6 g
Ratings for solid-state module combined with socket base		
Output circuit		
Output	1 NO contact	1 NO contact
Max. continuous current | Max. inrush current (10 ms)	2/20 A	2/40 A
Rated voltage | Max. reverse voltage	(24/33) V AC DC	(240/275) V AC
Switching load-voltage range	1.5 to 24 V DC	12 to 240 V AC
Min. switching current	1 mA	22 mA
Max. residual current at 55 °C	0.001 mA	1.5 mA
Max. voltage drop at 20 °C and rated current	0.12 V	1.6 V

Accessories for AQI/PRC external insulated cross-connection	**AQI/PRC/20**	**AQI/PRC/20**
Cat. no./Qty. yellow	**15545.8**/1	**15545.8**/1
Cat. no./Qty. blue	**15545.5**/1	**15545.5**/1
Cat. no./Qty. black	**15545.4**/1	**15545.4**/1
Partition plate TW/PRC	**TW/PRC**	**TW/PRC**
Cat. no./Qty.	**15546.2**/1	**15546.2**/1
Labelling/markers PMC	**MC BSTR 6/30**	**MC BSTR 6/30**
Cat. no./Qty. standard print, see catalogue	CONTA-CONNECT	CONTA-CONNECT
Cat. no./Qty. blank	**9106.7**/300	**9106.7**/300
Cat. no./Qty. special print	**9107.7**/300	**9107.7**/300
Actuating tool / Screwdriver SDB	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**
Cat. no./Qty.	**1086.0**/1	**1086.0**/1

Plug relay compact PRC

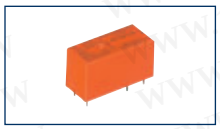
Relay terminals with 2 CO relay

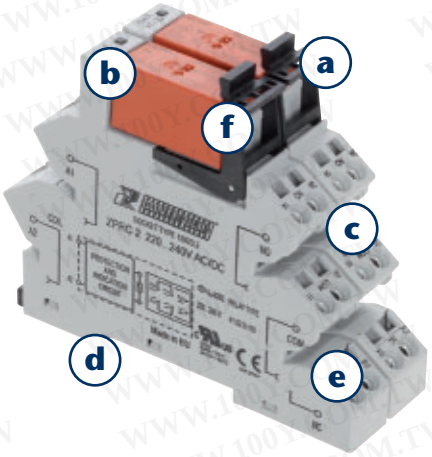
The new **PRC 2W** relay bases enable the integration of relays with two CO contacts into our proven **PRC** relay system. This base also features the well-known advantages of this system, including simple bridging with jumpers and a thin design. They are available either with tension-spring or screw connection. Dependable functionality is ensured because of this combination with our established line of PRS relays.

1. Overview

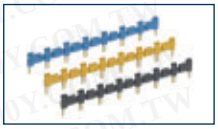
a **Using the mount/dismount lever**
The mounting and dismounting mechanism forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever!


b **Pluggable relay**
Pluggable relays are also available with AgSNO and gold contacts, to fit with the many functions of your individual requirements!





c **Pluggable external cross-connections**
The **AQI/PRC** pluggable cross-connection system enables a time-saving distribution of potentials. The **AQI/PRC** is constructed so that it is protected against accidental touch. It is available as a 8-pole unit, in either yellow, blue or black. The cross-connection can be shortened to fewer poles in order to fit the required interface. Insulation plating can be used to insulate the ends.



d **Mounts on standard TS 35 rail**
CONTA-CLIP relay terminals can be arranged as required on standard TS 35 DIN rails in accordance with EN 60715.

e **Connection types**
All of our relay terminals are optionally available with screw or tension-spring connection systems.

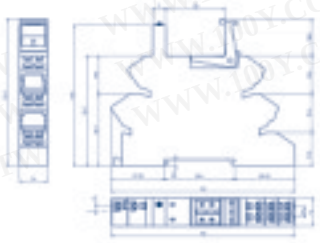
f **Labelling | Marking**
The socket bases have a labelling surface which is optimally suited for our MC Maxicard standard marking systems (**MC GS 6x12 R**). **CONTA-CLIP** will custom-label your markers for "just in time" delivery.

2. Approvals (details upon request)

3. Features

I. Socket base
- Mounts on TS 35
- Very versatile and modular construction of individual relay bases
- User-friendly, because the relays can be easily replaced
- High-quality connection terminals (Tension-spring or screw connection system)
- Integrated EMC coil circuitry, and LED
- High-quality innovative mount/dismount lever
- All versions are optionally available with screw or tension-spring connection system

Tension-spring connection



Screw connection

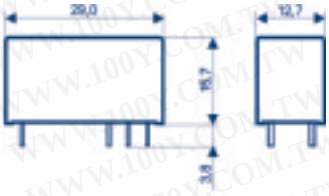
Plug relay compact PRC

Relay terminals with 2 CO relay

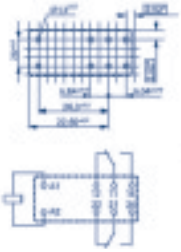
II. Relay

- **PLUG RELAY SYSTEM relay 2 CO contacts**
- Load-independent switching
- Direct control via the PLC outputs
- High interference immunity
- Electrical isolation of control and load circuits
- Minimal contact resistance, and high insulation resistance

Relay - complete view



Pin layout | circuit diagram

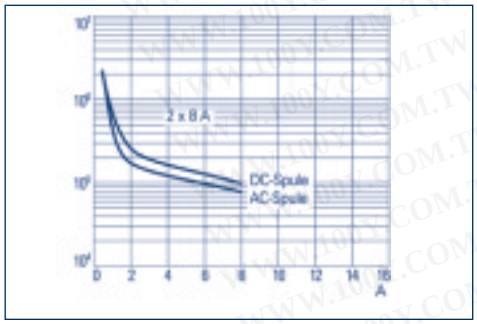


4. General specifications

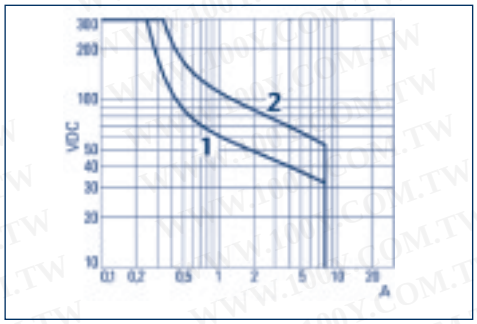
Insulation data		
Dielectric strength	Coil - contact	5000 Veff
	Opened contact	1000 Veff
	Adjacent contacts	2500 Veff
Clearance / creepage distances	Coil - contact	≤ 10 / 10 mm
	Adjacent contacts	≤ 3 / 4 mm
Insulating material group		≤ IIIa
Creep resistance of carrier		PTI 250 V
Insulation acc. to IEC 60664-1		
Type of insulation	Coil - contact	Strengthened insul.
	Opened contact	Functional insul.
	Adjacent contacts	Basic insul.
Rated voltage		250 V
Contamination degree		3
Nom. voltage of the supply system		240/400 V
Overvoltage category		III

Flammability class per UL94	V0
Ambient temperature range	-40 to +85 °C
Response/release time of DC coil	typ. 7 / 2 ms
Bounce time of DC spool, NO/NC	typ. 1 / 3 ms
Fatigue strength (functional), NO/NC	20 / 5 g, 30 to 500 Hz
Shock resistance (destructive)	100 g
Protection	RTII
Mounting interval	0 mm, densely packaged
Weight	14 g

5. Contact data



Contact lifespan under 250 V AC resistive load



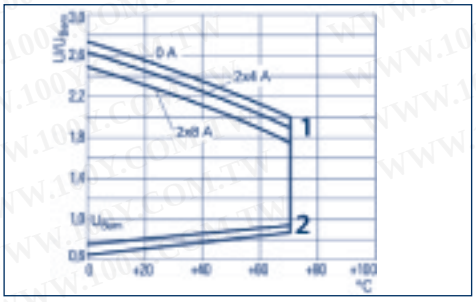
Switching capacity under DC load
Resistive load

1 One contact
2 Two contacts in series

6. Coil data

DC version

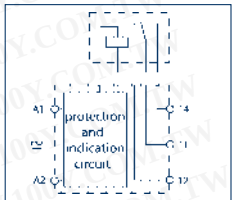
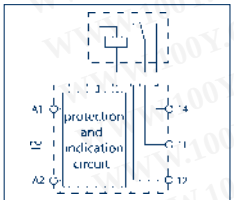
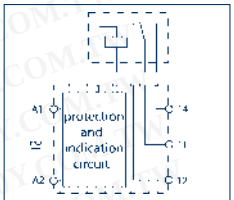
Rated	Operating range		Resistance	Rated voltage current
U_N V	U_{min} V	U_{max} V	R Ω	I mA
5	3.5	0.5	62 ± 10%	403
6	4.20	0.6	90 ± 10%	400
12	8.4	1.2	360 ± 10%	400
24	16.80	2.4	1440 ± 10%	400
48	33.60	4.8	5520 ± 10%	417
60	42.00	6.0	8570 ± 12%	420
110	77.0	11.0	28800 ± 13%	420



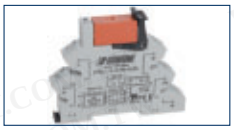
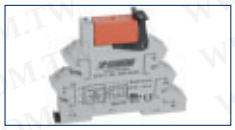
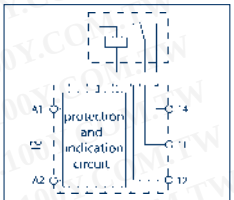
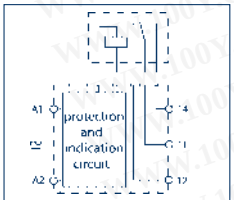
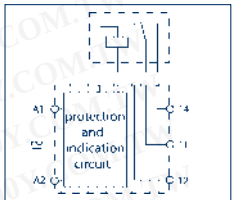
Reliable range of operating voltage

1 Max. permitted coil voltage
2 Response voltage, when coil temperature is equal to ambient temperature

Plug relay compact PRC

Relay terminal screw/tension-spring connection	PRCU 2/12V AC/DC	PRCU 2/24V AC/DC	PRCU 2/240V AC/	
consisting of: · Base terminal and pluggable relay · Mounts on TS 35				
Connection diagram · Internal EMC coil circuitry and LED display				
Type **Cat. no.**/Qty.	**PRCU 2/12V AC/DC** **15924.2**/1	**PRCU 2/24V AC/DC** **15925.2**/1	**PRCU 2/240V AC/DC** **15926.2**/1	
Size (L x W x H) with TS 35	92 x 14 x 82 mm	92 x 14 x 82 mm	92 x 14 x 82 mm	
Weight	68 g	68 g	68 g	
Type **Cat. no.**/Qty.	**PRS 2/12 V DC** **6482.2**/1	**PRS 2/24 V DC** **6483.2**/1	**PRS 2/110 V DC** **15541.2**/1	
Weight	15 g	15 g	15 g	
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	5 kV	5 kV	5 kV	
Pinning	5 mm	5 mm	5 mm	
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	
Input data				
Input voltage	12 V DC	24 V DC	110 V DC	
Power consumption	0.40 W	0.40 W	0.40 W	
Output specifications				
Contacts	2 CO contact	2 CO contact	2 CO contact	
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	
Max. continuous current/inrush current	8 A / 15 A	8 A / 15 A	8 A / 15 A	
Typical response time/release time	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	
at contact load	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	
Mechanical lifespan	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$	
Type **Cat. no.**/Qty.	**PRC 2 6-12-24V AC/DC** **15920.2**/10	**PRC 2 6-12-24V AC/DC** **15920.2**/10	**PRC 2 220 to 240V AC/DC** **15921.2**/10	
Weight	53 g	53 g	53 g	
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	
Connection type	Screw connection	Screw connection	Screw connection	
Technical data				
Rated current	10 A	10 A	10 A	
Rated voltage	250 V	250 V	250 V	
Dielectric strength coil/contact	6 kv (1.2/50 µs)	6 kv (1.2/50 µs)	6 kv (1.2/50 µs)	
Ambient temperature	-40 to +70 °C	-25 to +70 °C	-40 to +55 °C	
Protection degree, enclosure	IP 20	IP 20	IP 20	
Flammability class UL 94	V-0	V-0	V-0	
Torque	0.5 Nm	0.5 Nm	0.5 Nm	
Connection cross-section, solid, max.	1 x 6/2 x 2.5 mm^2| 1 x 10/2 x 14 AWG	1 x 6/2 x 2.5 mm^2| 1 x 10/2 x 14 AWG	1 x 6/2 x 2.5 mm^2| 1 x 10/2 x 14 AWG	
Connection cross-section, stranded, max.	1 x 4/2 x 2.5 mm^2| 1 x 12/2 x 14 AWG	1 x 4/2 x 2.5 mm^2| 1 x 12/2 x 14 AWG	1 x 4/2 x 2.5 mm^2| 1 x 12/2 x 14 AWG	
Stripping length	8 mm	8 mm	8 mm	
Approvals	UL/CUL	UL/CUL	UL/CUL	
Accessories for AQI/PRC ext. insulated cross-connection	**AQI/PRC/8**	**AQI/PRC/8**	**AQI/PRC/8**	
Cat. no./Qty. yellow	**15930.8**/1	**15930.8**/1	**15930.8**/1	
Cat. no./Qty. blue	**15930.5**/1	**15930.5**/1	**15930.5**/1	
Cat. no./Qty. black	**15930.4**/1	**15930.4**/1	**15930.4**/1	
Partition plate TW/PRC	**TW/PRC**	**TW/PRC**	**TW/PRC**	
Cat. no./Qty.	**15546.2**/1	**15546.2**/1	**15546.2**/1	
Tool/screwdriver	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	**SDB 0.6 x 3.5**	
Cat. no./Qty.	**1086.0**/1	**1086.0**/1	**1086.0**/1	
Labelling/markers MC	**MC GS 6x12 R**	**MC GS 6x12 R**	**MC GS 6x12 R**	
Cat. no./Qty. blank	**3884.7**/600	**3884.7**/600	**3884.7**/600	
Cat. no./Qty. special print	**3885.7**/600	**3885.7**/600	**3885.7**/600	

Plug relay compact PRC

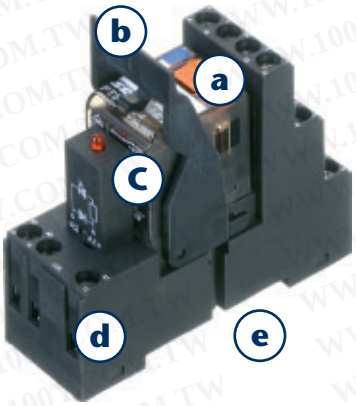
ZPRCU 2/12V AC/DC	ZPRCU 2/24V AC/DC	ZPRCU 2/240V AC/DC			
					
 Base	 Base	 Base			
ZPRCU 2/12V AC/DC	**ZPRCU 2/24V AC/DC**	**ZPRCU 2/240V AC/DC**			
15927.2/1	**15928.2**/1	**15929.2**/1			
93 x 14 x 82 mm	93 x 14 x 82 mm	93 x 14 x 82 mm			
63 g	63 g	63 g			
PRS 2/12 V DC	**PRS 2/24 V DC**	**PRS 2/110 V DC**			
6482.2/1	**6483.2**/1	**15541.2**/1			
15 g	15 g	15 g			
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
5 kV	5 kV	5 kV			
5 mm	5 mm	5 mm			
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C			
12 V DC	24 V DC	110 V DC			
0.40 W	0.40 W	0.40 W			
2 CO contact	2 CO contact	2 CO contact			
240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC			
8 A / 15 A	8 A / 15 A	8 A / 15 A			
7 ms/2 ms	7 ms/2 ms	7 ms/2 ms			
AgNi 90/10	AgNi 90/10	AgNi 90/10			
1.5×10^5	1.5×10^5	1.5×10^5			
4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC			
> 30 x 10^6	> 30 x 10^6	> 30 x 10^6			
ZPRC 2 6-12-24V AC/DC	**ZPRC 2 6-12-24V AC/DC**	**ZPRC 2 220–240V AC/DC**			
15922.2/10	**15922.2**/10	**15923.2**/10			
48 g	48 g	48 g			
TS 35	TS 35	TS 35			
5 mm pinning	5 mm pinning	5 mm pinning			
Tension-spring connection	Tension-spring connection	Tension-spring connection			
10 A	10 A	10 A			
250 V	250 V	250 V			
6 kv (1.2/50 µs)	6 kv (1.2/50 µs)	6 kv (1.2/50 µs)			
-40 to +70 °C	-40 to +70 °C	-40 to +55 °C			
IP 20	IP 20	IP 20			
V-0	V-0	V-0			
-	-	-			
1 x 2.5 mm^2|	1 x 2.5 mm^2|	1 x 2.5 mm^2|			
1 x 14 AWG	1 x 14 AWG	1 x 14 AWG			
1 x 2.5 mm^2|	1 x 2.5 mm^2	1 x 2.5 mm^2|			
1 x 14 AWG	1 x 14 AWG	1 x 14 AWG			
8 mm	8 mm	8 mm			
UL/CUL	UL/CUL	UL/CUL			
AQI/PRC/8	**AQI/PRC/8**	**AQI/PRC/8**			
15930.8/1	**15930.8**/1	**15930.8**/1			
15930.5/1	**15930.5**/1	**15930.5**/1			
15930.4/1	**15930.4**/1	**15930.4**/1			
TW/PRC	**TW/PRC**	**TW/PRC**			
15546.2/1	**15546.2**/1	**15546.2**/1			
BWMA 1	**BWMA 1**	**BWMA 1**			
3808.0/1	**3808.0**/1	**3808.0**/1			
MC GS 6x12 R	**MC GS 6x12 R**	**MC GS 6x12 R**			
3884.7/600	**3884.7**/600	**3884.7**/600			
3885.7/600	**3885.7**/600	**3885.7**/600			

Plug relay system PRS

Screw connection

1. Overview

a **Pluggable relay**
Pluggable relays are also available with AgSNO and gold contacts, to fit with the many functions of your individual requirements!



b **Using the mount/dismount lever**
The mounting and dismounting mechanism forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever!

c **Pluggable LED and protective modules**
Pluggable modules allow easy insertion into the base, with reverse-connect protection. The module circuitry is effective in parallel to the coil of the deployed relay.

d **AQI/PRS external cross-connection**
The AQI/PRS external cross-connection system enables a time-saving distribution of potentials. With this system, you can save time when coupling multiple relay components.

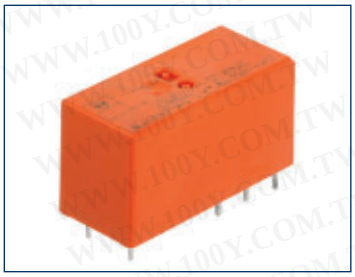
e **Mounts on standard TS 35 DIN rails**
CONTA-CLIP relay bases can be mounted as needed on standard TS 35 DIN rails, according to EN 50035 and EN 50022.

2. Features

I. Relay

- **PLUG RELAY SYSTEM** (Relay with 1, 2 or 4 CO contacts)
- Load-independent switching
- Direct control via the PLC outputs
- High interference immunity
- Electrical isolation of control and load circuits
- Minimal contact resistance, and high insulation resistance
- The PRS XT relay features a switch/button for MANUAL/AUTOMATIC switching, and an integrated LED for signalling the switching status
- The PRS 4 relay with a switch/button for MANUAL/AUTOMATIC switching
- The PRS 4 eco relay features switch/button for MANUAL/AUTOMATIC switching, and an integrated LED for signalling the switching status DC relay with integrated free-wheel diode.

Technical data for the available relays can be found on the following product pages.

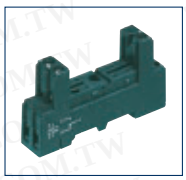
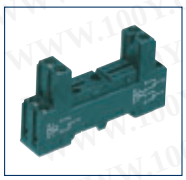


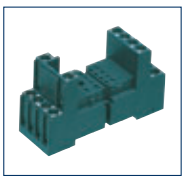
Plug relay system PRS

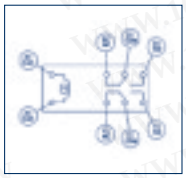
Screw connection

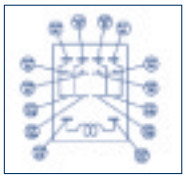
II. Socket base

- Mounts on TS 35
- Very versatile and modular construction of individual relay bases
- User-friendly, because the relays can be easily replaced
- High-quality connection terminals
- Wire strands protected against false insertion
- Terminal screws retention prevents loss
- Pluggable LED display with additional protective circuitry
- Holding clamp made of high-quality plastic



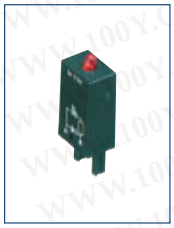



Type	PRS 1	PRS 2	PRS 2 G	PRS 4	PRS 4 G
Cat. no./Qty.	**15135.2**/1	**15136.2**/1	**15320.2**/1	**15137.2**/1	**15324.2**/1
Size (L x W x H) with TS 35	76 x 15.7 x 46 mm	76 x 15.7 x 46 mm	76 x 15.7 x 65 mm	76 x 27.1 x 47 mm	76 x 27.1 x 66 mm
Size with holding clamp (L x W x H) with TS 35	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 27.1 x 85 mm	76 x 27.1 x 87 mm
Weight	33 g	38 g	43 g	63 g	65 g
General					
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35	TS 35
Plug-in base for	3.5 mm pinning	5 mm pinning	5 mm pinning	2.8 mm Faston	2.8 mm Faston
Connection type	Screw connection	Screw connection	Screw connection	Screw connection	Screw connection
Technical data					
Rated current	12 A	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V	300 V
Dielectric strength coil/contact	4000 Veff	4000 Veff	4000 Veff	2400 Veff	2400 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm²	2 x 2.5 mm²	2 x 2.5 mm²	2 x 2.5 mm²	2 x 2.5 mm²
With ferrules	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA

III. Insert modules

- Plugs simply into the base, reverse-connect protection
- Circuitry parallel to coil

Cat. no./Qty.	Type	Voltage range	
15141.2/1	PRS LED(RD) 24 V DC	12 to 24 V DC	Status display with free-wheel diode
15142.2/1	PRS LED(RD) 230 V DC	110 to 230 V AC	Status display
15175.2/1	PRS LED(RD) 24 V DC	12 to 48 V AC/DC	Status display
15422.2/1	PRS LED(RD) 110 V DC	60 to 110 V DC	Status display with free-wheel diode
15810.2/1	PRS LED(RD) 230 V UC Var.	230 V AC/DC	Status display with varistor
16070.2/1	PRS LED(GN) 24 V UC Var.	24 V AC/DC	Status display with varistor
15808.2/1	PRS RC 24 V AC	24 V AC	Plug-in module with RC element
15809.2/1	PRS RC 240 V AC	240 V AC	Plug-in module with RC element



IV. Holding clamp

The mount/dismount clamp forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever.

Cat. no./Qty.	Type	Weight
15138.2/1	PRS C 1/C 2	2 g
15140.2/1	PRS C 4	4 g
15628.2/1	PRS C 4 eco	4 g
16016.2/1	PRSXT C1/2	4 g


V. Contact bridge

- A simple and quick bridge to multiple relay blocks

Cat. no./Qty.	Type		Weight
15778.2/1	AQI PRS/5	A contact bridge, for bridging of five PRS 4 4 CO frames	4 g
15779.2/1	AQI PRS/8	A contact bridge, for bridging of 8 PRS 1 or PRS 2 1 and 2 CO frames	4 g


Relay 1-CO PRS 1 XT

Complete unit, screw connection	PRSUXT 1/24V DC	PRSUXT 1/24V AC	PRSUXT 1/230V AC	PRSUXT 1G/24V DC
consisting of: · Relay · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSUXT 1/24V DC** **16086.2**/1	**PRSUXT 1/24V AC** **16087.2**/1	**PRSUXT 1/230V AC** **16088.2**/1	**PRSUXT 1G/24V DC** **16089.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 15.7 x 76 mm	76 x 15.7 x 76 mm	76 x 15.7 x 76 mm	76 x 15.7 x 76 mm
Weight	56 g	56 g	56 g	56 g
Components				
Relay 1W, open design, with switch and status display				
Type **Cat. no.**/Qty.	**PRSXT 1/24V DC** **16083.2**/1	**PRSXT 1/24V AC** **16084.2**/1	**PRSXT 1/230V AC** **16085.2**/1	**PRSXT 1/24V DC** **16083.2**/1
Size (L x W x H)	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm
Weight	16 g	16 g	16 g	16 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	2.5 KV	2.5 KV	2.5 KV	2.5 KV
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Lockable test button	yes	yes	yes	yes
Indicators	red LED	red LED	red LED	red LED
Mechanical indicator	yes	yes	yes	yes
Free-wheel diode	yes	no	no	yes
Input data				
Input voltage	24 V DC	24 V AC	230 V AC	24 V DC
Power consumption	0.4 W	0.76 VA	0.74 VA	0.4 W
Frequency	-	50 / 60 Hz	50 / 60 Hz	-
Output specifications				
Contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC
Max. continuous current	16 A / 240 V AC	16 A / 240 V AC	16 A / 240 V AC	16 A / 240 V AC
Max. inrush current 4s / 30 ms	30 A / 300 A	30 A / 300 A	30 A / 300 A	30 A / 300 A
Max. contact load	4000 VA	4000 VA	4000 VA	4000 VA
Min. suggested contact load	12 V at 10 mA	12 V at 10 mA	12 V at 10 mA	12 V at 10 mA
Voltage drop	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC
Max. switching frequency at operating load	360 cycles per hour	360 cycles per hour	360 cycles per hour	360 cycles per hour
Max. switching frequency without load	36000 cycles per hour	36000 cycles per hour	36000 cycles per hour	36000 cycles per hour
Typical response time/release time	8 ms / 6 ms	8 ms / 6 ms	8 ms / 6 ms	8 ms / 6 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	50×10^3	50×10^3	50×10^3	50×10^3
Mechanical lifespan	10×10^6	5×10^6	5×10^6	10×10^6
Socket base				
Type **Cat. no.**/Qty.	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2 G** **15320.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	4000 Veff	4000 Veff	4000 Veff	4000 Veff
Insulation group (VDE 0110b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
With ferrules	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Stripping length	7 mm	7 mm	7 mm	7 mm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20

Relay 1-CO PRS 1 XT

PRSUXT 1G/24V AC	PRSUXT 1G/230V AC				
					
PRSUXT 1G/24V AC 16090.2 /1	**PRSUXT 1G/230V AC 16091.2**/1				
76 x 15.7 x 76 mm	76 x 15.7 x 76 mm				
56 g	56 g				
PRSXT 1/24V AC 16084.2/1	**PRSXT 1/230V AC 16085.2**/1				
29 x 13 x 30.55 mm	29 x 13 x 30.55 mm				
16 g	16 g				
Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
2.5 KV	2.5 KV				
-40 to +70 °C	-40 to +70 °C				
yes	yes				
red LED	red LED				
yes	yes				
no	no				
24 V AC	230 V AC				
0.76 VA	0.74 VA				
50 / 60 Hz	50 / 60 Hz				
1 CO contact	1 CO contact				
240 V AC/400 V AC	240 V AC/400 V AC				
16 A / 240 V AC	16 A / 240 V AC				
30 A / 300 A	30 A / 300 A				
4000 VA	4000 VA				
12 V at 10 mA	12 V at 10 mA				
30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC				
360 cycles per hour	360 cycles per hour				
36000 cycles per hour	36000 cycles per hour				
8 ms / 6 ms	8 ms / 6 ms				
AgNi 90/10	AgNi 90/10				
50 x 10^3	50 x 10^3				
5 x 10^6	5 x 10^6				
PRS 2 G 15320.2/1	**PRS 2 G 15320.2**/1				
TS 35	TS 35				
5 mm pinning	5 mm pinning				
Screw connection	Screw connection				
10 A	10 A				
300 V	300 V				
4000 Veff	4000 Veff				
C/250 V	C/250 V				
-25 to +80 °C	-25 to +80 °C				
IP 20	IP 20				
V-0	V-0				
VBG 4	VBG 4				
2 x 2.5 mm^2	2 x 2.5 mm^2				
2 x 1.5 mm^2	2 x 1.5 mm^2				
max. 0.8 Nm	max. 0.8 Nm				
7 mm	7 mm				
UL/CSA	UL/CSA				
PRSXT C1/2 16016.2/20	**PRSXT C1/2 16016.2**/20				

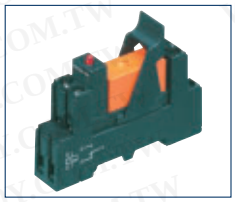
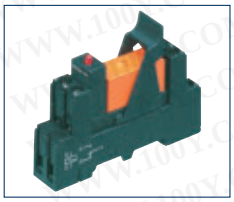
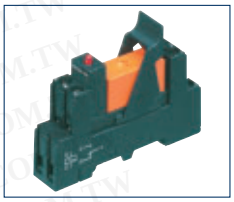
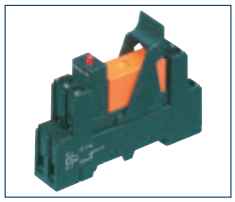
Relay 2-CO PRS 2 XT

Complete unit, screw connection	PRSUXT 2/24V DC	PRSUXT 2/24V AC	PRSUXT 2/230V AC	PRSUXT 2G/24V DC
consisting of: · Relay · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSUXT 2/24V DC** **16017.2**/1	**PRSUXT 2/24V AC** **16018.2/1**	**PRSUXT 2/230V AC** **16019.2**/1	**PRSUXT 2G/24V DC** **16020.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 15.7 x 76 mm	76 x 15.7 x 76 mm	76 x 15.7 x 76 mm	76 x 15.7 x 76 mm
Weight	56 g	56 g	56 g	56 g
Components				
Relay 2W, open design, with switch and status display				
Type **Cat. no.**/Qty.	**PRSXT 2/24V DC** **16013.2**/1	**PRSXT 2/24V AC** **16014.2**/1	**PRSXT 2/230V AC** **16015.2**/1	**PRSXT 2/24V DC** **16013.2**/1
Size (L x W x H)	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm
Weight	16 g	16 g	16 g	16 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	2.5 KV	2.5 KV	2.5 KV	2.5 KV
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Lockable test button	yes	yes	yes	yes
Indicators	red LED	red LED	red LED	red LED
Mechanical indicator	yes	yes	yes	yes
Free-wheel diode	yes	no	no	yes
Input data				
Input voltage	24 V DC	24V AC	230V AC	24 V DC
Power consumption	0.4 W	0.76 VA	0.74 VA	0.4W
Frequency	-	50 / 60 Hz	50 / 60 Hz	-
Output specifications				
Contacts	2 CO contact	2 CO contact	2 CO contact	2 CO contact
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC
Max. continuous current	8 A / 240 V AC	8 A / 240 V AC	8 A / 240 V AC	8 A / 240 V AC
Max. inrush current 4s / 30 ms	15 A / 300 A	15 A / 300 A	15 A / 300 A	15 A / 300 A
Max. contact load	2000 VA	2000 VA	2000 VA	2000 VA
Min. suggested contact load	12 V at 10 mA	12 V at 10 mA	12 V at 10 mA	12 V at 10 mA
Voltage drop	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC
Max. switching frequency at operating load	360 cycles per hour	360 cycles per hour	360 cycles per hour	360 cycles per hour
Max. switching frequency without load	36000 cycles per hour	36000 cycles per hour	36000 cycles per hour	36000 cycles per hour
Typical response time/release time	10 ms / 5 ms	10 ms / 5 ms	10 ms / 5 ms	10 ms / 5 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	50×10^3	50×10^3	50×10^3	50×10^3
Mechanical lifespan	10×10^6	5×10^6	5×10^6	10×10^6
Socket base				
Type **Cat. no.**/Qty.	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2 G** **15320.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	4000 Veff	4000 Veff	4000 Veff	4000 Veff
Insulation group (VDE 0110b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
With ferrules	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Stripping length	7 mm	7 mm	7 mm	7 mm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20

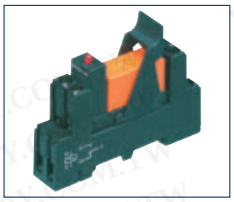
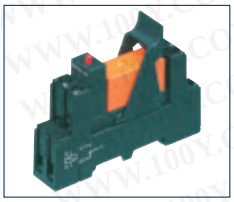
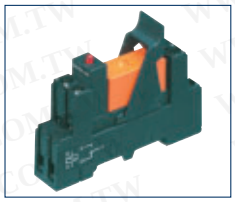
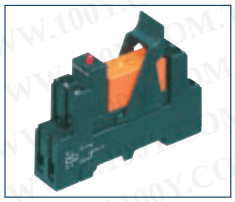
Relay 2-CO PRS 2 XT

PRSUXT 2G/24V AC	PRSUXT 2G/230V AC				
					
PRSUXT 2G/24V AC 16021.2/1	**PRSUXT 2G/230V AC 16022.2**/1				
76 x 15.7 x 76 mm	76 x 15.7 x 76 mm				
56 g	56 g				
PRSXT 2/24V AC 16014.2/1	**PRSXT 2/230V AC 16015.2**/1				
29 x 13 x 30.55 mm	29 x 13 x 30.55 mm				
16 g	16 g				
Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
2.5 KV	2.5 KV				
-40 to +70 °C	-40 to +70 °C				
yes	yes				
red LED	red LED				
yes	yes				
no	no				
24 V AC	230 V AC				
0.76 VA	0.74 VA				
50 / 60 Hz	50 / 60 Hz				
2 CO contact	2 CO contact				
240 V AC/400 V AC	240 V AC/400 V AC				
8 A / 240 V AC	8 A / 240 V AC				
15 A / 300 A	15 A / 300 A				
2000 VA	2000 VA				
12 V at 10 mA	12 V at 10 mA				
30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC				
360 cycles per hour	360 cycles per hour				
36000 cycles per hour	36000 cycles per hour				
10 ms / 5 ms	10 ms / 5 ms				
AgNi 90/10	AgNi 90/10				
50 x 10^3	50 x 10^3				
5 x 10^6	5 x 10^6				
PRS 2 G 15320.2/1	**PRS 2 G 15320.2**/1				
TS 35	TS 35				
5 mm pinning	5 mm pinning				
Screw connection	Screw connection				
10 A	10 A				
300 V	300 V				
4000 Veff	4000 Veff				
C/250 V	C/250 V				
-25 to +80 °C	-25 to +80 °C				
IP 20	IP 20				
V-0	V-0				
VBG 4	VBG 4				
2 x 2.5 mm^2	2 x 2.5 mm^2				
2 x 1.5 mm^2	2 x 1.5 mm^2				
max. 0.8 Nm	max. 0.8 Nm				
7 mm	7 mm				
UL/CSA	UL/CSA				
PRSXT C1/2 16016.2/20	**PRSXT C1/2 16016.2**/20				

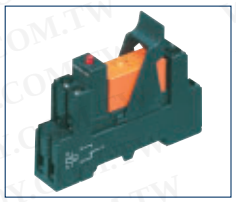
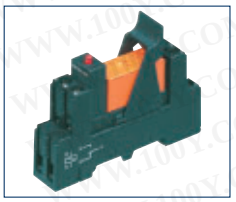
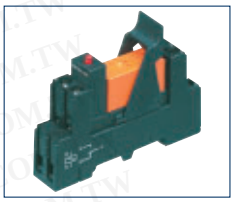
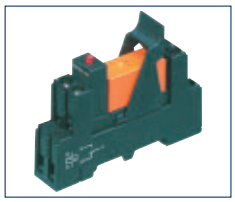
Relay with 1 CO PRS 1

Complete unit, screw connection	PRSU 1/12 V DC	PRSU 1/24 V DC	PRSU 1/60 V DC	PRSU 1/110 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type	**PRSU 1/12 V DC 15163.2**/1	**PRSU 1/24 V DC 15169.2**/1	**PRSU 1/60 V DC 15720.2**/1	**PRSU 1/110 V DC 15721.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm
Weight	55 g	55 g	55 g	55 g
Components				
Relay 1 W, encapsulated construction				
Type	**PRS 1/12 V DC 6996.0**/1	**PRS 1/24 V DC 6804.0**/1	**PRS 1/60 V DC 15539.2**/1	**PRS 1/110 V DC 15540.2**/1
Weight	15 g	15 g	15 g	15 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	5 kV	5 kV	5 kV	5 kV
Pinning	3.5 mm	3.5 mm	3.5 mm	3.5 mm
Operating temperature	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Important notes	-	-	-	-
Input data				
Input voltage	12 V DC	24 V DC	60 V DC	110 V DC
Power consumption	0.40 W	0.40 W	0.42 W	0.42 W
Output specifications				
Contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Switching voltage/Max. Switching voltage	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC
Max. continuous current/inrush current	12 A / 25 A	12 A / 25 A	12 A / 25 A	12 A / 25 A
Typical response time/release time	7 ms/3 ms	7 ms/3 ms	7 ms/3 ms	7 ms/3 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.2×10^3	1.2×10^3	1.2×10^3	1.2×10^3
at contact load	4 A @ 250 V AC	4 A @ 250 V AC	4 A @ 250 V AC	4 A @ 250 V AC
Mechanical lifespan	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$
Insert module				
Type **Cat. no.**/Qty.	**PRS LED 24 V DC 15141.2**/1	**PRS LED 24 V DC 15141.2**/1	**PRS LED 110 V DC 15422.2**/1	**PRS LED 110 V DC 15422.2**/1
protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	60 to 110 V DC	60 to 110 V DC
Socket base				
Type **Cat. no.**/Qty.	**PRS 1 15135.2**/1	**PRS 1 15135.2**/1	**PRS 1 15135.2**/1	**PRS 1 15135.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	3.5 mm pinning	3.5 mm pinning	3.5 mm pinning	3.5 mm pinning
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	12 A	12 A	12 A	12 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	4000 Veff	4000 Veff	4000 Veff	4000 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
With ferrules	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRS C 1/2 15138.2**/1	**PRS C 1/2 15138.2**/1	**PRS C 1/2 15138.2**/1	**PRS C 1/2 15138.2**/1

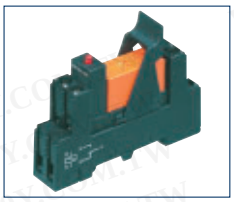
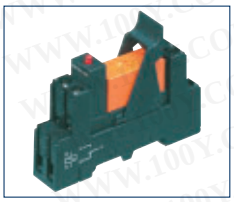
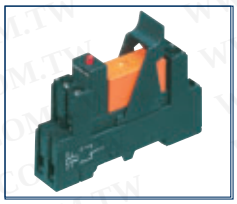
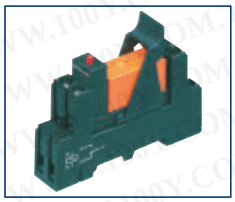
Relay with 1 CO PRS 1

PRSU 1 L/24 V DC	PRSU 1/24 V AC	PRSU 1/115 V AC	PRSU 1/230 V AC		
					
PRSU 1 L/24 V DC **15419.2**/1	**PRSU 1/24 V AC** **15164.2**/1	**PRSU 1/115 V AC** **15418.2**/1	**PRSU 1/230 V AC** **15170.2**/1		
76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm		
60 g	55 g	55 g	55 g		
PRS 1 L/24 V DC **6940.0**/1	**PRS 1/24 V AC** **6480.2**/1	**PRS 1/115 V AC** **15228.2**/1	**PRS 1/230 V AC** **6481.2**/1		
15 g	15 g	15 g	15 g		
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
4 kV	5 kV	5 kV	5 kV		
5 mm	3.5 mm	3.5 mm	3.5 mm		
-20 to +50 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C		
Inductive loads	-	-	-		
24 V DC	24 V AC	115 V AC	230 V AC		
0.50 W	0.75 VA	0.75 VA	0.75 VA		
1 CO contact	1 CO contact	1 CO contact	1 CO contact		
250 V AC	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC		
16 A/80 A (20 ms)	12 A / 25 A	12 A / 25 A	12 A / 25 A		
10 ms/10 ms	7 ms/3 ms	7 ms/3 ms	7 ms/3 ms		
Ag Sn 02	AgNi 90/10	AgNi 90/10	AgNi 90/10		
1 x 10^5	1.2 x 10^3	1.2 x 10^3	1.2 x 10^3		
16 A @ 250 V AC	4 A @ 250 V AC	4 A @ 250 V AC	4 A @ 250 V AC		
> 30 x 10^6	> 30 x 10^6	> 30 x 10^6	> 30 x 10^6		
PRS LED 24 V UC **15141.2**/1	**PRS LED 24 V UC** **15175.2**/1	**PRS LED 230 V AC** **15142.2**/1	**PRS LED 230 V AC** **15142.2**/1		
Status display with free-wheel diode	Status display	Status display	Status display		
12 to 24 V/DC	12 to 48 V AC/DC	110 to 230 V/AC	110 to 230 V/AC		
PRS 2 **15136.2**/1	**PRS 1** **15135.2**/1	**PRS 1** **15135.2**/1	**PRS 1** **15135.2**/1		
TS 35	TS 35	TS 35	TS 35		
5 mm pinning	3.5 mm pinning	3.5 mm pinning	3.5 mm pinning		
Screw connection	Screw connection	Screw connection	Screw connection		
10 A	12 A	12 A	12 A		
300 V	300 V	300 V	300 V		
4000 Veff	4000 Veff	4000 Veff	4000 Veff		
C/250 V	C/250 V	C/250 V	C/250 V		
-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C		
IP 20	IP 20	IP 20	IP 20		
V-0	V-0	V-0	V-0		
VBG 4	VBG 4	VBG 4	VBG 4		
2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2		
2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2		
max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm		
UL/CSA	UL/CSA	UL/CSA	UL/CSA		
PRS C 1/2 **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1		

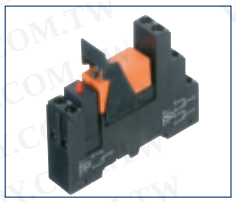
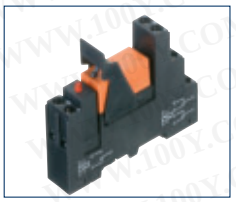
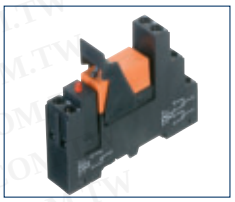
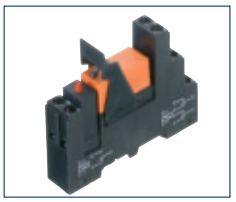
Relay with 2 CO PRS 2

Complete unit, screw connection	PRSU 2/12 V DC	PRSU 2/24 V DC	PRSU 2/48 V DC	PRSU 2/60 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSU 2/12 V DC** **15165.2**/1	**PRSU 2/24 V DC** **15171.2**/1	**PRSU 2/48 V DC** **15411.2**/1	**PRSU 2/60 V DC** **15412.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm
Weight	60 g	60 g	60 g	60 g
Components				
Relay 2 W, encapsulated construction				
Type **Cat. no.**/Qty.	**PRS 2/12 V DC** **6482.2**/1	**PRS 2/24 V DC** **6483.2**/1	**PRS 2/48 V DC** **15334.2**/1	**PRS 2/60 V DC** **15335.2**/1
Weight	15 g	15 g	15 g	15 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	5 kV	5 kV	5 kV	5 kV
Pinning	5 mm	5 mm	5 mm	5 mm
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Input data				
Input voltage	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption	0.40 W	0.40 W	0.40 W	0.40 W
Output specifications				
Contacts	2 CO contact	2 CO contact	2 CO contact	2 CO contact
Switching voltage/Max. Switching voltage	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC
Max. continuous current/inrush current	8 A / 15 A	8 A / 15 A	12 A / 25 A	8 A / 15 A
Typical response time/release time	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
at contact load	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC
Mechanical lifespan	> 30×10^6	> 30×10^6	> 30×10^6	> 30×10^6
Insert module				
Type **Cat. no.**/Qty.	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 110 V DC** **15422.2**/1	**PRS LED 110 V DC** **15422.2**/1
protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	60 to 110 V DC	60 to 110 V DC
Socket base				
Type **Cat. no.**/Qty.	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	4000 Veff	4000 Veff	4000 Veff	4000 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
With ferrules	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1

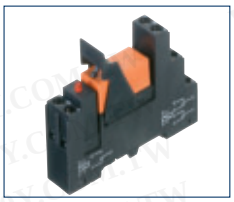
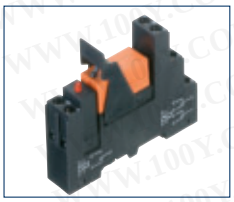
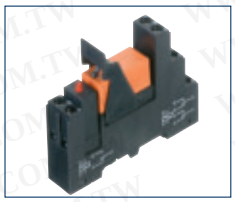
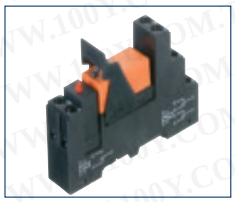
Relay with 2 CO PRS 2

PRSU 2/110 V DC	PRSU 2/24 V AC	PRSU 2/115 V AC	PRSU 2/230 V AC		
					
PRSU 2/110 V DC **15722.2**/1	**PRSU 2/24 V AC** **15166.2**/1	**PRSU 2/115 V AC** **15413.2**/1	**PRSU 2/230 V AC** **15172.2**/1		
76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm		
60 g	60 g	60 g	60 g		
PRS 2/110 V DC **15541.2**/1	**PRS 2/24 V AC** **6484.2** /1	**PRS 2/115 V AC** **15229.2**/1	**PRS 2/230 V AC** **6485.2**/1		
15 g	15 g	15 g	15 g		
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
5 kV	5 kV	5 kV	5 kV		
5 mm	5 mm	5 mm	5 mm		
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C		
110 V DC	24 V AC	115 V AC	230 V AC		
0.40 W	0.75 VA	0.75 VA	0.75 VA		
2 CO contact	2 CO contact	2 CO contact	2 CO contact		
250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC		
8 A / 15 A	8 A / 15 A	8 A / 15 A	8 A / 15 A		
7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms		
AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10		
1.5 x 10^5	1.5 x 10^5	1.5 x 10^5	1.5 x 10^5		
4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC		
> 30 x 10^6	> 5 x 10^6	> 5 x 10^6	> 5 x 10^6		
PRS LED 24 V UC **15175.2** /1	**PRS LED 24 V UC** **15175.2**/1	**PRS LED 230 V AC** **15142.2**/1	**PRS LED 230 V AC** **15142.2**/1		
Status display	Status display	Status display	Status display		
12 to 48 V AC/DC	12 to 48 V AC/DC	110 to 230 V AC/DC	110 to 230 V AC/DC		
PRS 2 **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1	**PRS 2** **15136.2**/1		
TS 35	TS 35	TS 35	TS 35		
5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning		
Screw connection	Screw connection	Screw connection	Screw connection		
10 A	10 A	10 A	10 A		
300 V	300 V	300 V	300 V		
4000 Veff	4000 Veff	4000 Veff	4000 Veff		
C/250 V	C/250 V	C/250 V	C/250 V		
-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C		
IP 20	IP 20	IP 20	IP 20		
V-0	V-0	V-0	V-0		
VBG 4	VBG 4	VBG 4	VBG 4		
2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2		
2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2		
max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm		
UL/CSA	UL/CSA	UL/CSA	UL/CSA		
PRS C 1/2 **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1		

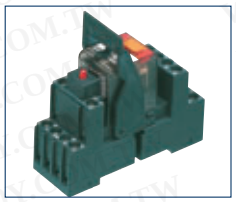
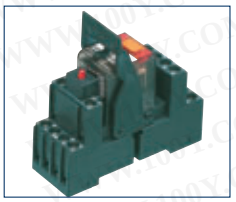
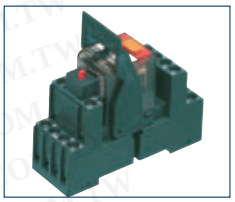
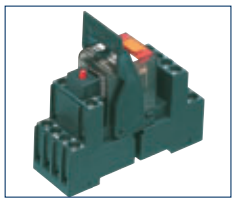
Relay 2 CO contact, PRS 2 G

Complete unit, screw connection	PRSU 2 G/12 V DC	PRSU 2 G/24 V DC	PRSU 2 G/48 V DC	PRSU 2 G/60 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSU 2 G/12 V DC** **15414.2**/1	**PRSU 2 G/24 V DC** **15233.2**/1	**PRSU 2 G/48 V DC** **15415.2**/1	**PRSU 2 G/60 V DC** **15416.2**/1
Size (L x W x H) with TS 35	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm
Weight	60 g	60 g	60 g	60 g
Components				
Relay 2 W, encapsulated construction				
Type **Cat. no.**/Qty.	**PRS 2/12 V DC** **6482.2**/1	**PRS 2/24 V DC** **6483.2**/1	**PRS 2/48 V DC** **15334.2**/1	**PRS 2/60 V DC** **15335.2**/1
Weight	15 g	15 g	15 g	15 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	5 kV	5 kV	5 kV	5 kV
Pinning	5 mm	5 mm	5 mm	5 mm
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Input data				
Input voltage	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption	0.40 W	0.40 W	0.40 W	0.40 W
Output specifications				
Contacts	2 CO contact	2 CO contact	2 CO contact	2 CO contact
Switching voltage/Max. Switching voltage	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC
Max. continuous current/inrush current	8 A / 15 A	8 A / 15 A	8 A / 15 A	8 A / 15 A
Typical response time/release time	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
at contact load	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC
Mechanical lifespan	> 30×10^6	> 30×10^6	> 30×10^6	> 30×10^6
Insert module				
Type **Cat. no.**/Qty.	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 110 V DC** **15422.2**/1	**PRS LED 110 V DC** **15422.2**/1
protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	60 to 110 V DC	60 to 110 V DC
Socket base				
Type **Cat. no.**/Qty. **General**	**PRS 2 G** **15320.2**/1	**PRS 2 G** **15320.2**/1	**PRS 2 G** **15320.2**/1	**PRS 2 G** **15320.2**/1
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	4000 Veff	4000 Veff	4000 Veff	4000 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
With ferrules	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1

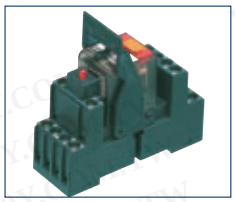
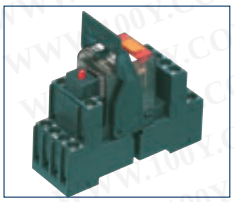
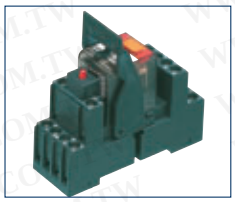
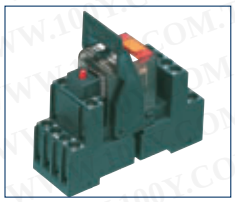
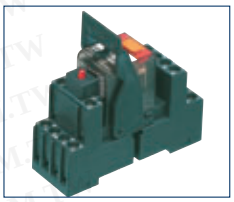
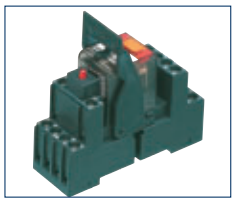
Relay 2 CO contact, PRS 2 G

PRSU 2 G/110 V DC	PRSU 2 G/24 V AC	PRSU 2 G/115 V AC	PRSU 2 G/230 V AC		
					
PRSU 2 G/110 V DC **15723.2**/1	**PRSU 2 G/24 V AC** **15385.2**/1	**PRSU 2 G/115 V AC** **15417.2**/1	**PRSU 2 G/230 V AC** **15236.2**/1		
76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm	76 x 15.7 x 71 mm		
60 g	60 g	60 g	60 g		
PRS 2/110 V DC **15541.2**/1	**PRS 2/24 V AC** **6484.2**/1	**PRS 2/115 V AC** **15229.2**/1	**PRS 2/230 V AC** **6485.2**/1		
15 g	15 g	15 g	15 g		
Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
5 kV	5 kV	5 kV	5 kV		
5 mm	5 mm	5 mm	5 mm		
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C		
110 V DC	24 V AC	115 V AC	230 V AC		
0.40 W	0.75 VA	0.75 VA	0.75 VA		
2 CO contact	2 CO contact	2 CO contact	2 CO contact		
250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC	250 V AC/440 V AC		
8 A / 15 A	8 A / 15 A	8 A / 15 A	8 A / 15 A		
7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms		
AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10		
1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5		
4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC		
$> 30 \times 10^6$	$> 5 \times 10^6$	$> 5 \times 10^6$	$> 5 \times 10^6$		
PRS LED 110 V DC **15422.2**/1	**PRS LED 24 V UC** **15175.2**/1	**PRS LED 230 V AC** **15142.2**/1	**PRS LED 230 V AC** **15142.2**/1		
Status display with free-wheel diode	Status display	Status display	Status display		
60 to 110 V DC	12 to 48 V AC/DC	110 to 230 V AC	110 to 230 V AC		
PRS 2 G **15320.2**/1	**PRS 2 G** **15320.2**/1	**PRS 2 G** **15320.2**/1	**PRS 2 G** **15320.2**/1		
TS 35	TS 35	TS 35	TS 35		
5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning		
Screw connection	Screw connection	Screw connection	Screw connection		
10 A	10 A	10 A	10 A		
300 V	300 V	300 V	300 V		
4000 Veff	4000 Veff	4000 Veff	4000 Veff		
C/250 V	C/250 V	C/250 V	C/250 V		
-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C		
IP 20	IP 20	IP 20	IP 20		
V-0	V-0	V-0	V-0		
VBG 4	VBG 4	VBG 4	VBG 4		
2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2		
2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2		
max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm		
UL/CSA	UL/CSA	UL/CSA	UL/CSA		
PRS C 1/2 **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1		

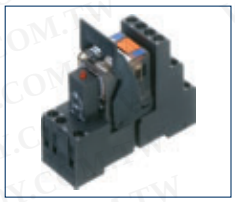
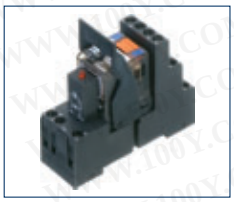
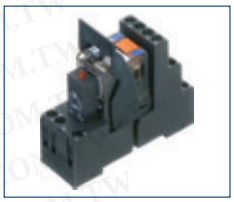
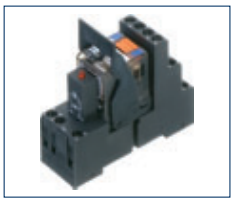
Relay with 4 CO PRS 4

Complete unit, screw connection	PRSU 4/12 V DC	PRSU 4/24 V DC	PRSU 4/48 V DC	PRSU 4/60 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSU 4/12 V DC** **15167.2**/1	**PRSU 4/24 V DC** **15173.2**/1	**PRSU 4/48 V DC** **15724.2**/1	**PRSU 4/60 V DC** **15725.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm
Weight	95 g	95 g	95 g	95 g
Components				
Relay 4 W, open construction with switch				
Type **Cat. no.**/Qty.	**PRS 4/12 V DC** **6486.2**/1	**PRS 4/24 V DC** **6487.2**/1	**PRS 4/48 V DC** **15461.2**/1	**PRS 4/60 V DC** **15336.2**/1
Weight	30 g	30 g	30 g	30 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III			
Test voltage coil/contact	2.5 kV	2.5 kV	2.5 kV	2.5 kV
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Input data				
Input voltage	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption	0.75 W	0.75 W	0.75 W	0.75 W
Output specifications				
Contacts	4 CO contact	4 CO contact	4 CO contact	4 CO contact
Switching voltage/Max. Switching voltage	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC
Max. continuous current/inrush current	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A
Typical response time/release time	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
at contact load	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC
Mechanical lifespan	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$
Insert module				
Type **Cat. no.**/Qty.	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 110 V DC** **15422.2**/1	**PRS LED 110 V DC** **15422.2**/1
protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	60 to 110 V DC	60 to 110 V DC
Socket base				
Type **Cat. no.**/Qty. **General**	**PRS 4** **15137.2**/1	**PRS 4** **15137.2**/1	**PRS 4** **15137.2**/1	**PRS 4** **15137.2**/1
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	2400 Veff	2400 Veff	2400 Veff	2400 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
With ferrules	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRS C 4** **15140.2**/1	**PRS C 4** **15140.2**/1	**PRS C 4** **15140.2**/1	**PRS C 4** **15140.2**/1

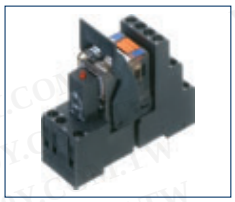
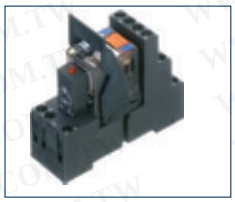
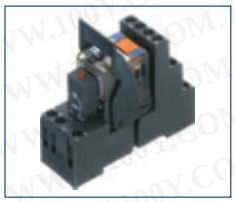
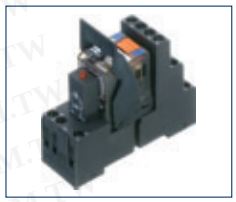
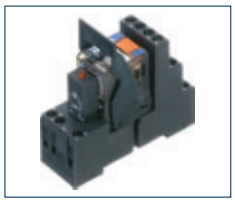
Relay with 4 CO PRS 4

PRSU 4/110 V DC	PRSU 4/220 V DC	PRSU 4/12 V AC	PRSU 4/24 V AC	PRSU 4/115 V AC	PRSU 4/230 V AC
					
PRSU 4/110 V DC 15726.2/1	**PRSU 4/220 V DC 15727.2**/1	**PRSU 4/12 V AC 15392.2**/1	**PRSU 4/24 V AC 15168.2**/1	**PRSU 4/115 V AC 15728.2**/1	**PRSU 4/230 V AC 15174.2**/1
76 x 27.1 x 85 mm	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm	76 x 27.1 x 85 mm
95 g	95 g	95 g	95 g	95 g	95 g
PRS 4/110 V DC 15542.2/1	**PRS 4/220 V DC 15368.2**/1	**PRS 4/12 V AC 15393.2**/1	**PRS 4/24 V AC 6488.2**/1	**PRS 4/115 V AC 15257.2**/1	**PRS 4/230 V AC 6489.2**/1
30 g	30 g	30 g	30 g	30 g	30 g
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III					
2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
110 V DC	220 V DC	12 V AC	24 V AC	115 V AC	230 V AC
0.75 W	0.75 W	1.0 VA	1.0 VA	1.0 VA	1.0 VA
4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact
250 V/250 V AC	250 V/250 V AC	250 V/250 V AC	250 V/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC
6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A
15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
6 A, 250 V A	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC
$> 30 \times 10^6$	$> 30 \times 10^6$	$> 20 \times 10^6$	$> 20 \times 10^6$	$> 20 \times 10^6$	$> 20 \times 10^6$
PRS LED 110 V DC 15422.2/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 230 V AC 15142.2**/1
Status display with free-wheel diode	Status display	Status display	Status display	Status display	Status display
60 to 110 V DC	110 to 230 V DC	12 to 48 V AC/DC	12 to 48 V AC/DC	110 to 230 V AC/DC	110 to 230 V AC
PRS 4 15137.2/1	**PRS 4 15137.2**/1	**PRS 4 15137.2**/1	**PRS 4 15137.2**/1	**PRS 4 15137.2**/1	**PRS 4 15137.2**/1
TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Screw connection	Screw connection	Screw connection	Screw connection	Screw connection	Screw connection
10 A	10 A	10 A	10 A	10 A	10 A
300 V	300 V	300 V	300 V	300 V	300 V
2400 Veff	2400 Veff	2400 Veff	2400 Veff	2400 Veff	2400 Veff
C/250 V	C/250 V	C/250 V	C/250 V	C/250 V	C/250 V
-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
V-0	V-0	V-0	V-0	V-0	V-0
VBG 4	VBG 4	VBG 4	VBG 4	VBG 4	VBG 4
2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 2.5 mm^2
2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 1.5 mm^2
max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA
PRS C 4 15140.2/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1

Relay 4 CO contact, PRS 4 G

Complete unit, screw connection	PRSU 4 G/12 V DC	PRSU 4 G/24 V DC	PRSU 4 G/48 V DC	PRSU 4 G/60 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type	**PRSU 4 G/12 V DC**	**PRSU 4 G/24 V DC**	**PRSU 4 G/48 V DC**	**PRSU 4 G/60 V DC**
Cat. no./Qty.	**15421.2**/1	**15332.2**/1	**15729.2**/1	**15730.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm
Weight	95 g	95 g	95 g	95 g
Components				
Relay 4 W, open construction with switch				
Type	**PRS 4/12 V DC**	**PRS 4/24 V DC**	**PRS 4/48 V DC**	**PRS 4/60 V DC**
Cat. no./Qty.	**6486.2**/1	**6487.2**/1	**15461.2**/1	**15336.2**/1
Weight	30 g	30 g	30 g	30 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III			
Test voltage coil/contact	2.5 kV	2.5 kV	2.5 kV	2.5 kV
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Input data				
Input voltage	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption	0.75 W	0.75 W	0.75 W	0.75 W
Output specifications				
Contacts	4 CO contact	4 CO contact	4 CO contact	4 CO contact
Switching voltage/Max. Switching voltage	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC
Max. continuous current/inrush current	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A
Typical response time/release time	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
at contact load	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A, 250 V AC
Mechanical lifespan	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$
Insert module				
Type	**PRS LED 24 V DC**	**PRS LED 24 V DC**	**PRS LED 110 V DC**	**PRS LED 110 V DC**
Cat. no./Qty.	**15141.2**/1	**15141.2**/1	**15422.2**/1	**15422.2**/1
protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	60 to 110 V DC	60 to 110 V DC
Socket base				
Type	**PRS 4 G**	**PRS 4 G**	**PRS 4 G**	**PRS 4 G**
Cat. no./Qty.	**15324.2**/1	**15324.2**/1	**15324.2**/1	**15324.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	2400 Veff	2400 Veff	2400 Veff	2400 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5mm²	2 x 2.5 mm²	2 x 2.5 mm²	2 x 2.5 mm²
With ferrules	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type	**PRS C 4**	**PRS C 4**	**PRS C 4**	**PRS C 4**
Cat. no./Qty.	**15140.2**/1	**15140.2**/1	**15140.2**/1	**15140.2**/1

Relay 4 CO contact, PRS 4 G

PRSU 4 G/110 V DC	PRSU 4 G/220 V DC	PRSU 4 G/12 V AC	PRSU 4 G/24 V AC	PRSU 4 G/115 V AC	PRSU 4 G/230 V AC
					
PRSU 4 G/110 V DC 15731.2/1	**PRSU 4 G/220 V DC 15732.2**/1	**PRSU 4 G/12 V AC 15420.2**/1	**PRSU 4 G/24 V AC 15371.2**/1	**PRSU 4 G/115 V AC 15733.2**/1	**PRSU 4 G/230 V AC 15372.2**/1
76 x 27.1 x 87 mm	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm	76 x 27.1 x 87 mm
95 g	95 g	95 g	95 g	95 g	95 g
PRS 4 /110 V DC 15542.2/1	**PRS 4 /220 V DC 15368.2**/1	**PRS 4 /12 V AC 15393.2**/1	**PRS 4 /24 V AC 6488.2**/1	**PRS 4 /115 V AC 15257.2**/1	**PRS 4 /230 V AC 6489.2**/1
30 g	30 g	30 g	30 g	30 g	30 g
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III					
2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
110 V DC	220 V DC	12 V AC	24 V AC	115 V AC	230 V AC
0.75 W	0.75 W	1.0 VA	1.0 VA	1.0 VA	1.0 VA
4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact
250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC	250 V AC/250 V AC
6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A
15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC	6 A @ 250 V AC
$> 30 \times 10^6$	$> 30 \times 10^6$	$> 20 \times 10^6$	$> 20 \times 10^6$	$> 20 \times 10^6$	$> 20 \times 10^6$
PRS LED 110 V DC 15422.2/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 230 V AC 15142.2**/1
Status display with free-wheel diode	Status display	Status display	Status display	Status display	Status display
60 to 110 V DC	110 to 230 V AC	12 to 48 V AC/DC	12 to 48 V AC/DC	110 to 230 V AC	110 to 230 V AC
PRS 4 G 15324.2/1	**PRS 4 G 15324.2**/1	**PRS 4 G 15324.2**/1	**PRS 4 G 15324.2**/1	**PRS 4 G 15324.2**/1	**PRS 4 G 15324.2**/1
TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Screw connection	Screw connection	Screw connection	Screw connection	Screw connection	Screw connection
10 A	10 A	10 A	10 A	10 A	10 A
300 V	300 V	300 V	300 V	300 V	300 V
2400 Veff	2400 Veff	2400 Veff	2400 Veff	2400 Veff	2400 Veff
C/250 V	C/250 V	C/250 V	C/250 V	C/250 V	C/250 V
-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
V-0	V-0	V-0	V-0	V-0	V-0
VBG 4	VBG 4	VBG 4	VBG 4	VBG 4	VBG 4
2 x 2.5mm²	2 x 2.5mm²	2 x 2.5mm²	2 x 2.5mm²	2 x 2.5mm²	2 x 2.5mm²
2 x 1.5mm²	2 x 1.5mm²	2 x 1.5mm²	2 x 1.5mm²	2 x 1.5mm²	2 x 1.5mm²
max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA
PRS C 4 15140.2/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1

Relay 4 CO PRS 4 eco

Complete unit, screw or tension-spring connection (Z)	PRSU 4/24 V DC eco	PRSU 4/24 V AC eco	PRSU 4/230 V AC eco	PRSU 4G/24V DC eco
consisting of: · Relay · Socket base				
Type **Cat. no.**/Qty.	**PRSU 4/24 V DC eco** **15619.2**/1	**PRSU 4/24 V AC eco** **15620.2**/1	**PRSU 4/230 V AC eco** **15621.2**/1	**PRSU 4G/24 V DC eco** **15622.2**/1
Size (L x W x H) with TS 35 x 7.5	76 x 27.1 x 68 mm	76 x 27.1 x 68 mm	76 x 27.1 x 68 mm	78 x 27.1 x 70 mm
Weight	98 g	98 g	98 g	100 g
Components				
Relay 4W, open design, with switch and status display				
Type **Cat. no.**/Qty.	**PRS 4/24 V DC eco** **15591.2**/1	**PRS 4/24 V AC eco** **15592.2**/1	**PRS 4/230 V AC eco** **15593.2**/1	**PRS 4/24 V DC eco** **15591.2**/1
Weight	35 g	35 g	35 g	35 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250V, contamination degree 2, overvoltage category II			
Test voltage coil/contact	2.5 KV	2.5 KV	2.5 KV	2.5 KV
Operating temperature	-25 to +70 °C	-25 to +55 °C	-25 to +55 °C	-25 to +70 °C
Lockable test button	yes	yes	yes	yes
Indicators	red LED	red LED	red LED	red LED
Mechanical indicator	yes	yes	yes	yes
Free-wheel diode	yes	no	no	yes
Input data				
Input voltage	24 V DC	24 V AC	230 V AC	24 V DC
Power consumption	0.9 W	1.6 VA	1.6 VA	0.9 W
Frequency	-	50 / 60 Hz	50 / 60 Hz	-
Output specifications				
Contacts	4 CO contact	4 CO contact	4 CO contact	4 CO contact
Max. Switching voltage AC / DC	250 V / 250 V	250 V / 250 V	250 V / 250 V	250 V / 250 V
Min. switching voltage	5 V	5 V	5 V	5 V
Max. continuous current AC 1	6 A / 250 V AC	6 A / 250 V AC	6 A / 250 V AC	6 A / 250 V AC
DC 1	6 A / 24 V DC	6 A / 24 V DC	6 A / 24 V DC	6 A / 24 V DC
Max. inrush current	12 A	12 A	12 A	12 A
Contact load AC 1	1500 VA	1500 VA	1500 VA	1500 VA
Min. contact load	0.3 W	0.3 W	0.3 W	0.3 W
Contact resistance	≤ 100 mΩ	≤ 100 mΩ	≤ 100 mΩ	≤ 100 mΩ
Max. switching frequency at operating load	1200 cycles per hour	1200 cycles per hour	1200 cycles per hour	1200 cycles per hour
Max. switching frequency without load	18000 cycles per hour	18000 cycles per hour	18000 cycles per hour	18000 cycles per hour
Typical response time/release time	13 ms / 3 ms	13 ms / 3 ms	13 ms / 3 ms	13 ms / 3 ms
Contact material	AgNi	AgNi	AgNi	AgNi
Electrical lifespan AC 1	≥ 1 x 10^5	≥ 1 x 10^5	≥ 1 x 10^5	≥ 1 x 10^5
Mechanical lifespan	≥ 2 x 10^7	≥ 2 x 10^7	≥ 2 x 10^7	≥ 2 x 10^7
Socket base				
Type **Cat. no.**/Qty.	**PRS 4** **15137.2**/1	**PRS 4** **15137.2**/1	**PRS 4** **15137.2**/1	**PRS 4 G** **15324.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Connection type	Screw connection	Screw connection	Screw connection	Screw connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength	2400 Veff	2400 Veff	2400 Veff	2400 Veff
Insulation group (VDE 0110b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C	-25 to +80 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 2.5 mm²	2 x 2.5 mm²	2 x 2.5 mm²	2 x 2.5 mm²
With ferrules	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
Screw torque	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm	max. 0.8 Nm
Stripping length	7 mm	7 mm	7 mm	7 mm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Accessory: Holding clamp (optional)				
Type **Cat. no.**/Qty.	**PRS C4 eco** **15628.2**/1	**PRS C4 eco** **15628.2**/1	**PRS C4 eco** **15628.2**/1	**PRS C4 eco** **15628.2**/1

Relay 4 CO PRS 4 eco

PRSU 4 G/24 V AC eco	PRSU 4 G/230 V AC eco	PRSU 4 Z/24 V DC eco	PRSU 4 Z/24 V AC eco	PRSU 4 Z/230 V AC eco	
					
PRSU 4 G/24 V AC eco **15623.2**/1	**PRSU 4 G/230 V AC eco** **15624.2**/1	**PRSU 4 Z/24 V DC eco** **15625.2**/1	**PRSU 4 Z/24V AC eco** **15626.2**/1	**PRSU 4 Z/230 V AC eco** **15627.2**/1	
78 x 27.1 x 70 mm	78 x 27.1 x 70 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	
100 g	100 g	109 g	109 g	109 g	
PRS 4/24 V AC eco **15592.2**/1	**PRS 4/230 V AC eco** **15593.2**/1	**PRS 4/24 V DC eco** **15591.2**/1	**PRS 4/24 V AC eco** **15592.2**/1	**PRS 4/230 V AC eco** **15593.2**/1	
35 g	35 g	35 g	35 g	35 g	
Insulation IEC 664/VDE 0110, Rated voltage 250V, contamination degree 2, overvoltage category II					
2.5 KV	2.5 KV	2.5 KV	2.5 KV	2.5 KV	
-25 to +55 °C	-25 to +55 °C	-25 to +70 °C	-25 to +55 °C	-25 to +55 °C	
yes	yes	yes	yes	yes	
red LED	red LED	red LED	red LED	red LED	
yes	yes	yes	yes	yes	
no	no	yes	no	no	
24 V AC	230 V AC	12 V DC	24 V AC	230 V AC	
1.6 VA	1.6 VA	0.9 W	1.6 VA	1.6 VA	
50 / 60 Hz	50 / 60 Hz	-	50 / 60 Hz	50 / 60 Hz	
4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact	
250 V / 250 V	250 V / 250 V	250 V / 250 V	250 V / 250 V	250 V / 250 V	
5 V	5 V	5 V	5 V	5 V	
6 A / 250 V AC	6 A / 250 V AC	6 A / 250 V AC	6 A / 250 V AC	6 A / 250 V AC	
6 A / 24 V DC	6 A / 24 V DC	6 A / 24 V DC	6 A / 24 V DC	6 A / 24 V DC	
12 A	12 A	12 A	12 A	12 A	
1500 VA	1500 VA	1500 VA	1500 VA	1500 VA	
0.3 W	0.3 W	0.3 W	0.3 W	0.3 W	
≤ 100 mΩ	≤ 100 mΩ	≤ 100 mΩ	≤ 100 mΩ	≤ 100 mΩ	
1200 cycles per hour	1200 cycles per hour	1200 cycles per hour	1200 cycles per hour	1200 cycles per hour	
18000 cycles per hour	18000 cycles per hour	18000 cycles per hour	18000 cycles per hour	18000 cycles per hour	
13 ms / 3 ms	13 ms / 3 ms	13 ms / 3 ms	13 ms / 3 ms	13 ms / 3 ms	
AgNi	AgNi	AgNi	AgNi	AgNi	
≥ 1 x 10^5	≥ 1 x 10^5	≥ 1 x 10^5	≥ 1 x 10^5	≥ 1 x 10^5	
≥ 2 x 10^7	≥ 2 x 10^7	≥ 2 x 10^7	≥ 2 x 10^7	≥ 2 x 10^7	
PRS 4 G **15324.2**/1	**PRS 4 G** **15324.2**/1	**PRS 4 Z** **15431.2**/1	**PRS 4 Z** **15431.2**/1	**PRS 4 Z** **15431.2**/1	
TS 35	TS 35	TS 35	TS 35	TS 35	
2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	
Screw connection	Screw connection	Tension-spring connection	Tension-spring connection	Tension-spring connection	
10 A	10 A	12 A	12 A	12 A	
300 V	300 V	300 V	300 V	300 V	
2400 Veff	2400 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff	
C/250 V	C/250 V	C/250 V	C/250 V	C/250 V	
-25 to +80 °C	-25 to +80 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	
IP 20	IP 20	IP 20	IP 20	IP 20	
V-0	V-0	V-0	V-0	V-0	
VBG 4	VBG 4	VBG 4	VBG 4	VBG 4	
2 x 2.5 mm^2	2 x 2.5 mm^2	2 x 0.2 - 1.5 mm^2	2 x 0.2 - 1.5 mm^2	2 x 0.2 - 1.5 mm^2	
2 x 1.5 mm^2	2 x 1.5 mm^2	2 x 0.2 - 0.75 mm^2	2 x 0.2 - 0.75 mm^2	2 x 0.2 - 0.75 mm^2	
max. 0.8 Nm	max. 0.8 Nm	-	-	-	
7 mm	7 mm	7 mm	7 mm	7 mm	
UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA	
PRS C4 eco **15628.2**/1	**PRS C4 eco** **15628.2**/1	**PRS C4 eco** **15628.2**/1	**PRS C4 eco** **15628.2**/1	**PRS C4 eco** **15628.2**/1	

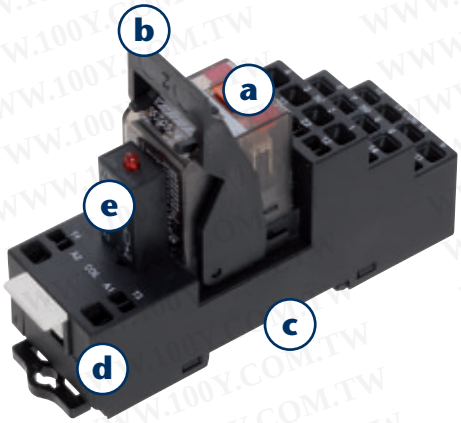
Plug relay system PRS

Tension-spring connection

The **PRS Z** relay bases extend the PRS plug-relay system with their widespread tension-spring wire connection mechanism. Each of the base's wire connections is doubled in order to allow for a simple double potential pick-off (test point). The well-known advantages of the **PRS** relay system also apply to this base. The entire line of accessories with which you are already familiar are compatible and can be used with the bases. So you can make use of the same illuminated displays and holding clamps that are used with the screw connection mechanism. Dependable functionality is ensured because of this combination with our established line of PRS relays.

1. Overview

a **Pluggable relay**
Pluggable relays are also available with AgSNO and gold contacts, to fit with the many functions of your individual requirements!



b **Using the mount/dismount lever**
The mount/dismount clamp forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever!

c **Mounts on standard TS 35 rail**
CONTA-CLIP relay bases can be mounted as needed on standard TS 35 DIN rails, according to EN 50035 and EN 50022.

d **AQI/PRS external cross-connection**
The AQI/PRS external cross-connection system enables a time-saving distribution of potentials. You can save time when coupling multiple relay components with this system.

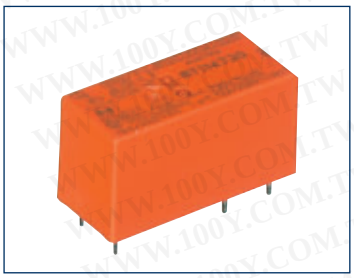
e **Pluggable LED and protective modules**
Pluggable modules allow easy insertion into the base, with reverse-connect protection. The module circuitry is effective in parallel to the coil of the deployed relay.

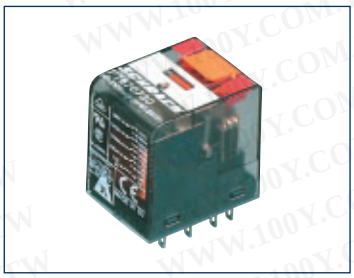
2. Features

I. Relay

- **PLUG RELAY SYSTEM** (Relay with 1, 2 or 4 CO contacts)
- Load-independent switching
- Direct control via the PLC outputs
- High interference immunity
- Electrical isolation of control and load circuits
- Minimal contact resistance, and high insulation resistance
- The PRS XT relay features switch/button for MANUAL/AUTOMATIC switching and an integrated LED for signalling the switching status
- The PRS 4 relay with a switch/button for MANUAL/AUTOMATIC switching
- The PRS 4 eco relay features switch/button for MANUAL/AUTOMATIC switching, and an integrated LED for signalling the switching status DC relay with integrated free-wheel diode.

Technical data for the available relays can be found on the following product pages.



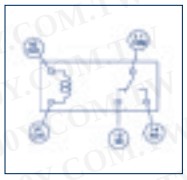
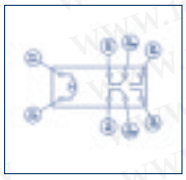
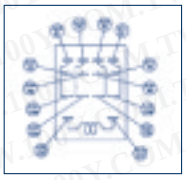


Plug relay system PRS

Tension-spring connection

II. Socket base

- Mounts on TS 35
- Very versatile and modular construction of individual relay bases
- User-friendly, because the relays can be easily replaced
- High-quality connection terminals
- Doubled connections
- Pluggable LED display with additional protective circuitry
- Holding clamp made of high-quality plastic

	PRS 1 Z	PRS 2 Z	PRS 4 Z		
					
					
Type **Cat. no.**/Qty.	**PRS 1 Z** **15780.2**/1	**PRS 2 Z** **15789.2**/1	**PRS 4 Z** **15431.2**/1		
Size (L x W x H) with TS 35	98 x 16.3 x 47.5 mm	98 x 16.3 x 47.5 mm	98 x 31 x 47.5 mm		
Size with holding clamp (L x W x H) with TS 35	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 31 x 69.2 mm		
Weight	42 g	44 g	74 g		
General					
Mounting foot for DIN rails	TS 35	TS 35	TS 35		
Plug-in base for	3.5 mm pinning	5 mm pinning	2.8 mm Faston		
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection		
Technical data					
Rated current	12 A	10 A	12 A		
Rated voltage	300 V	300 V	300 V		
Dielectric strength coil/contact	> 2500 Veff	> 2500 Veff	> 2500 Veff		
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V		
Ambient temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C		
Protection degree, enclosure	IP 20	IP 20	IP 20		
Flammability class UL 94	V-0	V-0	V-0		
Touch protection, acc. to	VBG 4	VBG 4	VBG 4		
Wire connect cross-section	2 x 0.2 to 1.5 mm²	2 x 0.2 to 1.5 mm²	2 x 0.2 to 1.5 mm²		
With ferrules	2 x 0.2 to 0.75 mm²	2 x 0.2 to 0.75 mm²	2 x 0.2 to 0.75 mm²		
Stripping length	7 mm	7 mm	7 mm		
Approvals	UL/CSA	UL/CSA	UL/CSA		

III. Insert modules

- Plugs simply into the base, reverse-connect protection
- Circuitry parallel to coil

Cat. no./Qty.	**Type**	**Voltage range**	
15141.2/1	PRS LED(RD) 24 V DC	12 to 24 V DC	Status display with free-wheel diode
15142.2/1	PRS LED(RD) 230 V DC	110 to 230 V AC	Status display
15175.2/1	PRS LED(RD) 24 V DC	12 to 48 V AC/DC	Status display
15422.2/1	PRS LED(RD) 110 V DC	60 to 110 V DC	Status display with free-wheel diode
15810.2/1	PRS LED(RD) 230 V UC Var.	230 V AC/DC	Status display with varistor
16070.2/1	PRS LED(GN) 24 V UC Var.	24 V AC/DC	Status display with varistor
15808.2/1	PRS RC 24 V AC	24 V AC	Plug-in module with RC element
15809.2/1	PRS RC 240 V AC	240 V AC	Plug-in module with RC element

IV. Holding clamp

The mount/dismount clamp forms a reliable connection by latching the relay with the socket base. The fitted relay can be removed, easily and without force, from the socket base by using the dismount function of the lever.

Cat. no./Qty.	**Type**	**Weight**
15138.2/1	PRS C 1/C 2	2 g
15140.2/1	PRS C 4	4 g
15628.2/1	PRS C 4 eco	4 g
16016.2/1	PRSXT C1/2	4 g

Relay 1-CO PRS 1 XT

Complete unit, tension-spring connection	PRSUXT 1Z/24 V DC	PRSUXT 1Z/24 V AC	PRSUXT 1Z/230 V AC	
consisting of: · Relay · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSUXT 1Z/24 V DC** **16092.2**/1	**PRSUXT 1Z/24 V AC** **16093.2**/1	**PRSUXT 1Z/230 V AC** **16094.2**/1	
Size (L x W x H) with TS 35 x 7.5	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	
Weight	60 g	60 g	60 g	
Components				
Relay 1W, open design, with switch and status display				
Type **Cat. no.**/Qty.	**PRSXT 1/24 V DC** **16083.2**/1	**PRSXT 1/24 V AC** **16084.2**/1	**PRSXT 1/230 V AC** **16085.2**/1	
Size (L x W x H)	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	
Weight	16g	16g	16g	
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, Overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	2.5 KV	2.5 KV	2.5 KV	
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	
Lockable test button	yes	yes	yes	
Indicators	red LED	red LED	red LED	
Mechanical indicator	yes	yes	yes	
Free-wheel diode	yes	no	no	
Input data				
Input voltage	24 V DC	24 V AC	230 V AC	
Power consumption	0.4 W	0.76 VA	0.74 VA	
Frequency	-	50 / 60 Hz	50 / 60 Hz	
Output specifications				
Contacts	1 CO contact	1 CO contact	1 CO contact	
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	
Max. continuous current	16 A / 240 V AC	16 A / 240 V AC	16 A / 240 V AC	
Max. inrush current 4s / 30 ms	30 A / 300 A	30 A / 300 A	30 A / 300 A	
Max. contact load	4000 VA	4000 VA	4000 VA	
Min. suggested contact load	12 V at 10 mA	12 V at 10 mA	12 V at 10 mA	
Voltage drop	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	
Max. switching frequency at operating load	360 cycles per hour	360 cycles per hour	360 cycles per hour	
Max. switching frequency without load	36000 cycles per hour	36000 cycles per hour	36000 cycles per hour	
Typical response time/release time	8 ms / 6 ms	8 ms / 6 ms	8 ms / 6 ms	
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	
Electrical lifespan	50×10^3	50×10^3	50×10^3	
Mechanical lifespan	10×10^6	5×10^6	5×10^6	
Socket base				
Type **Cat. no.**/Qty.	**PRS 2 Z** **15789.2**/1	**PRS 2 Z** **15789.2**/1	**PRS 2 Z** **15789.2**/1	
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection	
Technical data				
Rated current	10 A	10 A	10 A	
Rated voltage	300 V	300 V	300 V	
Dielectric strength	> 2500 Veff	> 2500 Veff	> 2500 Veff	
Insulation group (VDE 0110b)	C/250 V	C/250 V	C/250 V	
Ambient temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	
Protection degree, enclosure	IP 20	IP 20	IP 20	
Flammability class UL 94	V-0	V-0	V-0	
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	
Wire connect cross-section	2 x 0.2 - 1.5 mm^2	2 x 0.2 - 1.5 mm^2	2 x 0.2 - 1.5 mm^2	
With ferrules	2 x 0.2 - 0.75 mm^2	2 x 0.2 - 0.75 mm^2	2 x 0.2 - 0.75 mm^2	
Stripping length	7 mm	7 mm	7 mm	
Approvals	UL/CSA	UL/CSA	UL/CSA	
Holding clamp				
Type **Cat. no.**/Qty.	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	

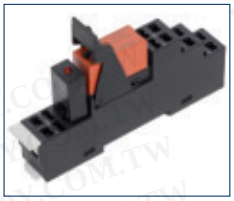
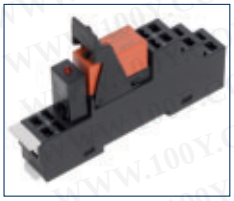
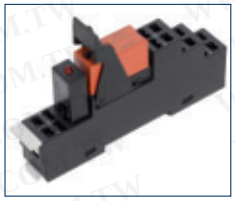
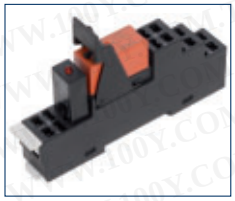
Relay 2-CO PRS 2 XT

Complete unit, tension-spring connection	PRSUXT 2Z/24 V DC	PRSUXT 2Z/24 V AC	PRSUXT 2Z/230 V AC	
consisting of: · Relay · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSUXT 2Z/24 V DC** **16023.2**/1	**PRSUXT 2Z/24 V AC** **16024.2**/1	**PRSUXT 2Z/230 V AC** **16025.2**/1	
Size (L x W x H) with TS 35 x 7.5	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	
Weight	60 g	60 g	60 g	
Components				
Relay 2W, open design, with switch and status display				
Type **Cat. no.**/Qty.	**PRSXT 2/24 V DC** **16013.2**/1	**PRSXT 2/24 V AC** **16014.2**/1	**PRSXT 2/230 V AC** **16015.2**/1	
Size (L x W x H)	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	29 x 13 x 30.55 mm	
Weight	16 g	16 g	16 g	
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	2.5 KV	2.5 KV	2.5 KV	
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	
Lockable test button	yes	yes	yes	
Indicators	red LED	red LED	red LED	
Mechanical indicator	yes	yes	yes	
Free-wheel diode	yes	no	no	
Input data				
Input voltage	24 V DC	24 V AC	230 V AC	
Power consumption	0.4 W	0.76 VA	0.74 VA	
Frequency	-	50 / 60 Hz	50 / 60 Hz	
Output specifications				
Contacts	2 CO contact	2 CO contact	2 CO contact	
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	
Max. continuous current	8 A / 240 V AC	8 A / 240 V AC	8 A / 240 V AC	
Max. inrush current 4s / 30 ms	15 A / 300 A	15 A / 300 A	15 A / 300 A	
Max. contact load	2000 VA	2000 VA	2000 VA	
Min. suggested contact load	12 V at 10 mA	12 V at 10 mA	12 V at 10 mA	
Voltage drop	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	30 mV at 100 mA/6 VDC	
Max. switching frequency at operating load	360 cycles per hour	360 cycles per hour	360 cycles per hour	
Max. switching frequency without load	36000 cycles per hour	36000 cycles per hour	36000 cycles per hour	
Typical response time/release time	10 ms / 5 ms	10 ms / 5 ms	10 ms / 5 ms	
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	
Electrical lifespan	50 x 10^3	50 x 10^3	50 x 10^3	
Mechanical lifespan	10 x 10^6	5 x 10^6	5 x 10^6	
Socket base				
Type **Cat. no.**/Qty.	**PRS 2 Z** **15789.2**/1	**PRS 2 Z** **15789.2**/1	**PRS 2 G** **15320.2**/1	
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	
Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection	
Technical data				
Rated current	10 A	10 A	10 A	
Rated voltage	300 V	300 V	300 V	
Dielectric strength	> 2500 Veff	> 2500 Veff	> 2500 Veff	
Insulation group (VDE 0110b)	C/250 V	C/250 V	C/250 V	
Ambient temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	
Protection degree, enclosure	IP 20	IP 20	IP 20	
Flammability class UL 94	V-0	V-0	V-0	
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	
Wire connect cross-section	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	
With ferrules	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	
Stripping length	7 mm	7 mm	7 mm	
Approvals	UL/CSA	UL/CSA	UL/CSA	
Holding clamp				
Type **Cat. no.**/Qty.	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	**PRSXT C1/2** **16016.2**/20	

Relay 1 CO contacts, PRS 1 Z

Complete unit, tension-spring connection	PRSU 1Z/12 V DC	PRSU 1Z/24 V DC	PRSU 1Z/60 V DC	PRSU 1Z/110 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type	**PRSU 1Z/12V DC**	**PRSU 1Z/24V DC**	**PRSU 1Z/60V DC**	**PRSU 1Z/110V DC**
Cat. no./Qty.	**15781.2**/1	**15782.2**/1	**15783.2**/1	**15784.2**/1
Size (L x W x H) with TS 35	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm
Weight	59 g	59 g	59 g	59 g
Components				
Relay 1 W, encapsulated construction				
Type	**PRS 1/12 V DC**	**PRS 1/24 V DC**	**PRS 1/60 V DC**	**PRS 1/110 V DC**
Cat. no./Qty.	***6996.0***/1	**6804.0**/1	**15539.2**/1	**15540.2**/1
Weight	15 g	15 g	15 g	15 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, Overvoltage category III, Flammability class UL 94 V-0			
Test voltage coil/contact	5 kV	5 kV	5 kV	5 kV
Pinning	3.5 mm	3.5 mm	3.5 mm	3.5 mm
Operating temperature	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Important notes	-	-	-	-
Input data				
Input voltage	12 V DC	24 V DC	60 V DC	110 V DC
Power consumption	0.40 W	0.40 W	0.42 W	0.42 W
Output specifications				
Contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC
Max. continuous current/inrush current	12 A / 25 A	12 A / 25 A	12 A / 25 A	12 A / 25 A
Typical response time/release time	7 ms/3 ms	7 ms/3 ms	7 ms/3 ms	7 ms/3 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.2×10^3	1.2×10^3	1.2×10^3	1.2×10^3
at contact load	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC
Mechanical lifespan	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$
Insert module				
Type	**PRS LED 24 V DC**	**PRS LED 24 V DC**	**PRS LED 110 V DC**	**PRS LED 110 V DC**
Cat. no./Qty.	**15141.2**/1	**15141.2**/1	**15422.2**/1	**15422.2**/1
Protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	60 to 110 V DC	60 to 110 V DC
Socket base				
Type	**PRS 1 Z**	**PRS 1 Z**	**PRS 1 Z**	**PRS 1 Z**
Cat. no./Qty.	**15780.2**/1	**15780.2**/1	**15780.2**/1	**15780.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	3.5 mm pinning	3.5 mm pinning	3.5 mm pinning	3.5 mm pinning
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection
Technical data				
Rated current	12 A	12 A	12 A	12 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength coil/contact	> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2
With ferrules	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2
Stripping length	7 mm	7 mm	7 mm	7 mm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type	**PRS C 1/2**	**PRS C 1/2**	**PRS C 1/2**	**PRS C 1/2**
Cat. no./Qty.	**15138.2**/1	**15138.2**/1	**15138.2**/1	**15138.2**/1

Relay 1 CO contacts, PRS 1 Z

PRSU 1LZ/24 V DC	PRSU 1Z/24 V AC	PRSU 1Z/115 V AC	PRSU 1Z/230 V AC		
					
PRSU 1LZ/24 V DC **15788.2**/1	**PRSU 1Z/24 V AC** **15785.2**/1	**PRSU 1Z/115 V AC** **15786.2**/1	**PRSU 1Z/230 V AC** **15787.2**/1		
98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm		
59 g	59 g	59 g	59 g		
Components					
Relay 1 W, encapsulated construction					
PRS 1L/24 V DC **6940.0**/1	**PRS 1/24 V AC** **6480.2**/1	**PRS 1/115 V AC** **15228.2**/1	**PRS 1/230 V AC** **6481.2**/1		
15 g	15 g	15 g	15 g		
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, Flammability class UL 94 V-0					
4 kV	5 kV	5 kV	5 kV		
5 mm	3.5 mm	3.5 mm	3.5 mm		
-20 to +50 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C		
Inductive loads	-	-	-		
24 V DC	24 V AC	115 V AC	230 V AC		
0.50 W	0.75 VA	0.75 VA	0.75 VA		
1 CO contact	1 CO contact	1 CO contact	1 CO contact		
240 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC		
16 A/80 A (20 ms)	12 A / 25 A	12 A / 25 A	12 A / 25 A		
10 ms/10 ms	7 ms/3 ms	7 ms/3 ms	7 ms/3 ms		
AgSn O2	AgNi 90/10	AgNi 90/10	AgNi 90/10		
1 x 10^5	1.2 x 10^3	1.2 x 10^3	1.2 x 10^3		
16 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC		
> 30 x 10^6	> 10 x 10^6	> 10 x 10^6	> 10 x 10^6		
Insert module					
PRS LED 24 V DC **15141.2**/1	**PRS LED 24 V UC** **15175.2**/1	**PRS LED 230 V AG** **15142.2**/1	**PRS LED 230 V AG** **15142.2**/1		
Status display with free-wheel diode	Status display	Status display	Status display		
12 to 24 V DC	12 to 48 V AC/DC	110 to 230 V AC	110 to 230 V AC		
Socket base					
PRS 2 Z **15789.2**/1	**PRS 1 Z** **15780.2**/1	**PRS 1 Z** **15780.2**/1	**PRS 1 Z** **15780.2**/1		
TS 35	TS 35	TS 35	TS 35		
5 mm pinning	3.5 mm pinning	3.5 mm pinning	3.5 mm pinning		
Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection		
10 A	12 A	12 A	12 A		
300 V	300 V	300 V	300 V		
> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff		
C/250 V	C/250 V	C/250 V	C/250 V		
-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C		
IP 20	IP 20	IP 20	IP 20		
V-0	V-0	V-0	V-0		
VBG 4	VBG 4	VBG 4	VBG 4		
2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2		
2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2		
7 mm	7 mm	7 mm	7 mm		
UL/CSA	UL/CSA	UL/CSA	UL/CSA		
Holding clamp					
PRS C 1/2 **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1	**PRS C 1/2** **15138.2**/1		

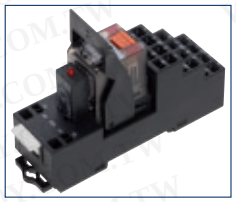
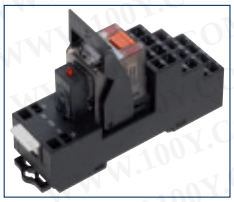
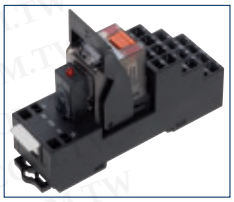
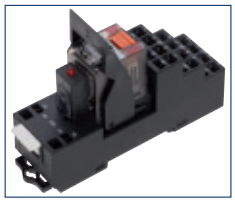
Relay 2 CO contacts, PRS 2 Z

Complete unit, tension-spring connection	PRSU 2Z/12 V DC	PRSU 2Z/24 V DC	PRSU 2Z/48 V DC	PRSU 2Z/60 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type	**PRSU 2Z/12 V DC**	**PRSU 2Z/24 V DC**	**PRSU 2Z/48 V DC**	**PRSU 2Z/60 V DC**
Cat. no./Qty.	**15790.2**/1	**15791.2**/1	**15792.2**/1	**15793.2**/1
Size (L x W x H) with TS 35	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm
Weight	61 g	61 g	61 g	61 g
Components				
Relay 2 W, encapsulated construction				
Type	**PRS 2/12 V DC**	**PRS 2/24 V DC**	**PRS 2/48 V DC**	**PRS 2/60 V DC**
Cat. no./Qty.	**6482.2**/1	**6483.2**/1	**15334.2**/1	**15335.2**/1
Weight	15 g	15 g	15 g	15 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	5 kV	5 kV	5 kV	5 kV
Pinning	5 mm	5 mm	5 mm	5 mm
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Input data				
Input voltage	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption	0.40 W	0.40 W	0.40 W	0.40 W
Output specifications				
Contacts	2 CO contact	2 CO contact	2 CO contact	2 CO contact
Switching voltage/Max. Switching voltage	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC
Max. continuous current/inrush current	8 A / 15 A	8 A / 15 A	8 A / 15 A	8 A / 15 A
Typical response time/release time	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
at contact load	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC
Mechanical lifespan	> 30 x 10^6	> 30 x 10^6	> 30 x 10^6	> 30 x 10^6
Insert module				
Type	**PRS LED 24 V DC**	**PRS LED 24 V DC**	**PRS LED 24 V UC**	**PRS LED 110 V DC**
Cat. no./Qty.	**15141.2**/1	**15141.2**/1	**15175.2**/1	**15422.2**/1
Protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	12 to 48 V AC/DC	60 to 110 V DC
Socket base				
Type	**PRS 2 Z**	**PRS 2 Z**	**PRS 2 Z**	**PRS 2 Z**
Cat. no./Qty.	**15789.2**/1	**15789.2**/1	**15789.2**/1	**15789.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection
Technical data				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength coil/contact	> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2
With ferrules	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2
Stripping length	7 mm	7 mm	7 mm	7 mm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type	**PRS C 1/2**	**PRS C 1/2**	**PRS C 1/2**	**PRS C 1/2**
Cat. no./Qty.	**15138.2**/1	**15138.2**/1	**15138.2**/1	**15138.2**/1

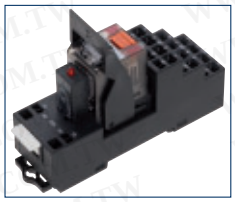
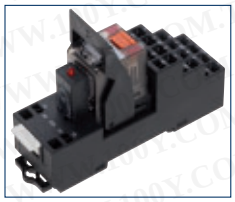
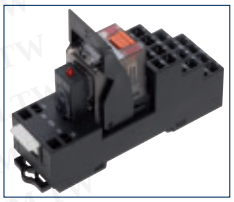
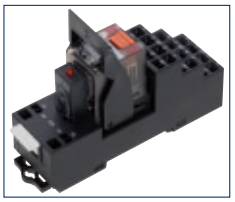
Relay 2 CO contacts, PRS 2 Z

PRSU 2Z/110 V DC	PRSU 2Z/24 V AC	PRSU 2Z/48 V AC	PRSU 2Z/115 V AC	PRSU 2Z/230 V AC	
					
PRSU 2Z/110 V DC 15794.2/1	**PRSU 2Z/24 V AC 15795.2**/1	**PRSU 2Z/48 V AC 15950.2**/1	**PRSU 2Z/115V AC 15796.2**/1	**PRSU 2Z/230V AC 15797.2**/1	
98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	98 x 16.3 x 69.2 mm	
61 g	61 g	61 g	61 g	61 g	
Components					
Relay 2 W, encapsulated construction					
PRS 2/110 V DC 15541.2/1	**PRS 2/24 V AC 6484.2**/1	**PRS 2/48 V AC 15947.2**/1	**PRS 2/115V AC 15229.2**/1	**PRS 2/230 V AC 6485.2**/1	
15 g	15 g	15 g	15 g	15 g	
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0					
5 kV	5 kV	5 kV	5 kV	5 kV	
5 mm	5 mm	5 mm	5 mm	5 mm	
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	
110 V DC	24 V AC	48 V AC	115 V AC	230 V AC	
0.40 W	0.75 VA	0.75 VA	0.75 VA	0.75 VA	
2 CO contact	2 CO contact	2 CO contact	2 CO contact	2 CO contact	
240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	240 V AC/400 V AC	
8 A / 15 A	8 A / 15 A	8 A / 15 A	8 A / 15 A	8 A / 15 A	
7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	7 ms/2 ms	
AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	
1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5	
4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	4 A @ 230 V AC	
> 30×10^6	> 5×10^6	> 5×10^6	> 5×10^6	> 5×10^6	
Insert module					
PRS LED 110 V DC 15422.2/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 230 V AC 15142.2**/1	
Status display with free-wheel diode	Status display	Status display	Status display	Status display	
60 to 110 V DC	12 to 48 V AC/DC	12 to 48 V AC/DC	110 to 230 V AC	110 to 230 V AC	
Socket base					
PRS 2 Z 15789.2/1	**PRS 2 Z 15789.2**/1	**PRS 2 Z 15789.2**/1	**PRS 2 Z 15789.2**/1	**PRS 2 Z 15789.2**/1	
TS 35	TS 35	TS 35	TS 35	TS 35	
5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning	5 mm pinning	
Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection	
10 A	10 A	10 A	10 A	10 A	
300 V	300 V	300 V	300 V	300 V	
> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff	
C/250 V	C/250 V	C/250 V	C/250 V	C/250 V	
-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	
IP 20	IP 20	IP 20	IP 20	IP 20	
V-0	V-0	V-0	V-0	V-0	
VBG 4	VBG 4	VBG 4	VBG 4	VBG 4	
2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	
2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	
7 mm	7 mm	7 mm	7 mm	7 mm	
UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA	
Holding clamp					
PRS C 1/2 15138.2/1	**PRS C 1/2 15138.2**/1	**PRS C 1/2 15138.2**/1	**PRS C 1/2 15138.2**/1	**PRS C 1/2 15138.2**/1	

Relay 4 CO contacts, PRS 4 Z

Complete unit, tension-spring connection	PRSU 4Z/12 V DC	PRSU 4Z/24 V DC	PRSU 4Z/48 V DC	PRSU 4Z/60 V DC
consisting of: · Relay · Insert module · Socket base · Holding clamp				
Type **Cat. no.**/Qty.	**PRSU 4Z/12 V DC** **15798.2**/1	**PRSU 4Z/24 V DC** **15799.2**/1	**PRSU 4Z/48 V DC** **15800.2**/1	**PRSU 4Z/60 V DC** **15801.2**/1
Size (L x W x H) with TS 35	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm
Weight	109 g	109 g	109 g	109 g
Components				
Relay 4 W, encapsulated construction				
Type **Cat. no.**/Qty.	**PRS 4/12 V DC** **6486.2**/1	**PRS 4/24 V DC** **6487.2**/1	**PRS 4/48 V DC** **15461.2**/1	**PRS 4/60 V DC** **15336.2**/1
Weight	30 g	30 g	30 g	30 g
General specifications				
DIN-VDE specifications	Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, overvoltage category III, flammability class UL 94 V-0			
Test voltage coil/contact	2.5 kV	2.5 kV	2.5 kV	2.5 kV
Operating temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Input data				
Input voltage	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption	0.75 W	0.75 W	0.75 W	0.75 W
Output specifications				
Contacts	4 CO contact	4 CO contact	4 CO contact	4 CO contact
Switching voltage/Max. Switching voltage	240 V AC/240 V AC	240 V AC/240 V AC	240 V AC/240 V AC	240 V AC/240 V AC
Max. continuous current/inrush current	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A
Typical response time/release time	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
Electrical lifespan	1.5×10^5	1.5×10^5	1.5×10^5	1.5×10^5
at contact load	6 A @ 240 V AC	6 A @ 240 V AC	6 A @ 240 V AC	6 A @ 240 V AC
Mechanical lifespan	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$	$> 30 \times 10^6$
Insert module				
Type **Cat. no.**/Qty.	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 24 V DC** **15141.2**/1	**PRS LED 24 V UC** **15175.2**/1	**PRS LED 110 V DC** **15422.2**/1
Protected against polarity reversal	Status display with free-wheel diode	Status display with free-wheel diode	Status display	Status display with free-wheel diode
in parallel to coil	12 to 24 V DC	12 to 24 V DC	12 to 48 V AC/DC	60 to 110 V DC
Socket base				
Type **Cat. no.**/Qty.	**PRS 4 Z** **15431.2**/1	**PRS 4 Z** **15431.2**/1	**PRS 4 Z** **15431.2**/1	**PRS 4 Z** **15431.2**/1
General				
Mounting foot for DIN rails	TS 35	TS 35	TS 35	TS 35
Plug-in base for	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection
Technical data				
Rated current	12 A	12 A	12 A	12 A
Rated voltage	300 V	300 V	300 V	300 V
Dielectric strength coil/contact	> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff
Insulation group (VDE 0110 b)	C/250 V	C/250 V	C/250 V	C/250 V
Ambient temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
Protection degree, enclosure	IP 20	IP 20	IP 20	IP 20
Flammability class UL 94	V-0	V-0	V-0	V-0
Touch protection, acc. to	VBG 4	VBG 4	VBG 4	VBG 4
Wire connect cross-section	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2
With ferrules	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2
Stripping length	7 mm	7 mm	7 mm	7 mm
Approvals	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp				
Type **Cat. no.**/Qty.	**PRS C 4** **15140.2**/1	**PRS C 4** **15140.2**/1	**PRS C 4** **15140.2**/1	**PRS C 4** **15140.2**/1

Relay 4 CO contacts, PRS 4 Z

PRSU 4Z/110 V DC	PRSU 4Z/220 V DC	PRSU 4Z/12 V AC	PRSU 4Z/24 V AC	PRSU 4Z/115 V AC	PRSU 4Z/230 V AC
					
PRSU 4Z/110 V DC 15802.2/1	**PRSU 4Z/220 V DC 15803.2**/1	**PRSU 4Z/12 V AC 15804.2**/1	**PRSU 4Z/24 V AC 15805.2**/1	**PRSU 4Z/115 V AC 15806.2**/1	**PRSU 4Z/230 V AC 15807.2**/1
98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm	98 x 31 x 69.2 mm
109 g	109 g	109 g	109 g	109 g	109 g
Components					
Relay 4 W, encapsulated construction					
PRS 4/110 V DC 15542.2/1	**PRS 4/220 V DC 15368.2**/1	**PRS 4/12 V AC 15393.2**/1	**PRS 4/24 V UC 6488.2**/1	**PRS 4/115 V AC 15257.2**/1	**PRS 4/230 V AC 6489.2**/1
30 g	30 g	30 g	30 g	30 g	30 g
Insulation IEC 664/VDE 0110, Rated voltage 250 V, contamination degree 3, Overvoltage category III, Flammability class UL 94 V-0					
2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
110 V DC	220 V DC	12 V AC	24 V AC	115 V AC	230 V AC
0.75 W	0.75 W	1.0 VA	1.0 VA	1.0 VA	1.0 VA
4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact	4 CO contact
240 V AC/240 V AC	240 V AC/240 V AC	240 V AC/240 V AC	240 V AC/240 V AC	240 V AC/240 V AC	240 V AC/240 V AC
6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A	6 A / 12 A
15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgNi 90/10
1.5 x 10^5	1.5 x 10^5	1.5 x 10^5	1.5 x 10^5	1.5 x 10^5	1.5 x 10^5
6 A @ 240 V AC	6 A @ 240 V AC	6 A @ 240 V AC	6 A @ 240 V AC	6 A @ 240 V AC	6 A @ 240 V AC
> 30 x 10^6	> 30 x 10^6	> 20 x 10^6	> 20 x 10^6	> 20 x 10^6	> 20 x 10^6
Insert module					
PRS LED 110 V DC 15422.2/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 24 V UC 15175.2**/1	**PRS LED 230 V AC 15142.2**/1	**PRS LED 230 V AC 15142.2**/1
Status display with free-wheel diode	Status display	Status display	Status display	Status display	Status display
60 to 110 V DC	110 to 230 V AC	12 to 48 V AC/DC	12 to 48 V AC/DC	110 to 230 V AC	110 to 230 V AC
Socket base					
PRS 4 Z 15431.2/1	**PRS 4 Z 15431.2**/1	**PRS 4 Z 15431.2**/1	**PRS 4 Z 15431.2**/1	**PRS 4 Z 15431.2**/1	**PRS 4 Z 15431.2**/1
TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston	2.8 mm Faston
Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection
12 A	12 A	12 A	12 A	12 A	12 A
300 V	300 V	300 V	300 V	300 V	300 V
> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff	> 2500 Veff
C/250 V	C/250 V	C/250 V	C/250 V	C/250 V	C/250 V
-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
V-0	V-0	V-0	V-0	V-0	V-0
VBG 4	VBG 4	VBG 4	VBG 4	VBG 4	VBG 4
2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2	2 x 0.2 to 1.5 mm^2
2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2	2 x 0.2 to 0.75 mm^2
7 mm	7 mm	7 mm	7 mm	7 mm	7 mm
UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA	UL/CSA
Holding clamp					
PRS C 4 15140.2/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1	**PRS C 4 15140.2**/1

Relay modules with 1 CO RM 1

- Mounts on TS 32/TS 35
- Screw connection
- Input side: free-wheel and reverse-polarity protection diode
- LED for indicating the switching status
- Relay module available as plug-in or soldered construction

RM 1/1 W
Pluggable relay
1 CO contact

RMD 1/1 W
Soldered relay
1 CO contact

Circuit diagram

Circuit diagram

Size (L x W x H) with TS 35 x 7.5	87 x 20 x 72 mm	
Weight	57 g	
Cat. no./Qty.	**Type**	**Circuit diagram**
Pluggable relay		
6584.2/1	RM 1/1 W/12 V DC	1
5450.2/1	RM 1/1 W/24 V DC	1
5602.2/1	RM 1/1 W/115 V DC	1
5598.2/1	RM 1/1 W/24 V AC	2
5460.2/1	RM 1/1 W/115 V AC	2
5462.2/1	RM 1/1 W/230 V AC	2
Soldered relay		
6585.2/1	RMD 1/1 W/12 V DC	1
5451.2/1	RMD 1/1 W/24 V DC	1
5603.2/1	RMD 1/1 W/115 V DC	1
5599.2/1	RMD 1/1 W/24 V AC	2
5461.2/1	RMD 1/1 W/115 V AC	2
5463.2/1	RMD 1/1 W/230 V AC	2
Relay		
Relay	pluggable/soldered	
Contacts	1 CO contact	
Design	Closed	

General specifications	
DIN-VDE specifications	DIN EN 50178; DIN VDE 0110, Contamination degree 2, overvoltage category III
Test voltage	
Coil/contact	4 kV
Pinning	5 mm
Operating temperature	-20 to +50 °C
Stripping length	7 mm
Wire connect cross-section	0.2 to 2.5 mm^2/AWG 22 to 14

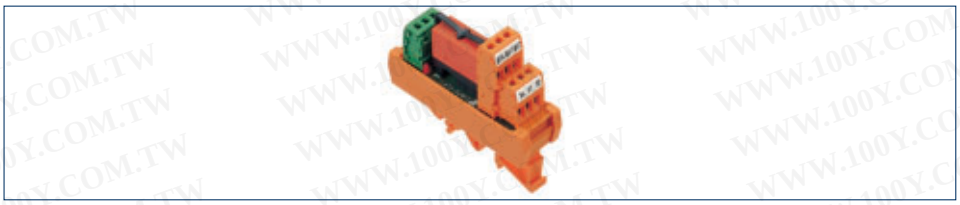
Relay data				
Input data				
Input voltage ±10%	12 V DC	24 V DC	115 V DC	24 V AC
Power consumption ±10%	0.6 W	0.6 W	0.6 W	1.0 VA
Status indication per relay (LED)	red	red	red	red
Output specifications				
Contacts	1/2 CO contact	1/2 CO contact	1/2 CO contact	1/2 CO contact
Max. switching voltage	250 V AC	250 V AC	250 V AC	250 V AC
Max. continuous current/inrush current	6 A/10 A*	6 A/10 A*	6 A/10 A*	6 A/10 A*
Max. power rating (ohmic load)	2000 VA at 250 VAC, 8 A	2000 VA at 250 VAC, 8 A	2000 VA at 250 VAC, 8 A	2000 VA at 250 VAC, 8 A
Typical response time/release time	9 ms/7 ms	9 ms/7 ms	9 ms/7 ms	15 ms/10 ms
Contact material	AgNi	AgNi	AgNi	AgNi
Electrical lifespan at max. contact load	> 5 x 10^5	> 5 x 10^5	> 5 x 10^5	> 5 x 10^5
Mechanical lifespan	> 2 x 10^7	> 2 x 10^7	> 2 x 10^7	> 2 x 10^7

*2 CO relays 6 A/10 A, 1 CO relay 8 A/10A

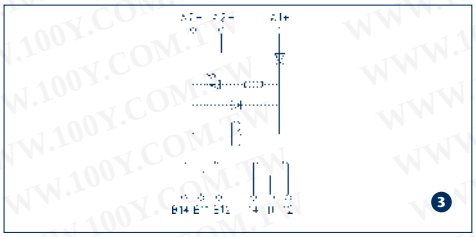
Relay modules 2 CO RM 1/2

RM 1/2 W
Pluggable relay
2 CO contact

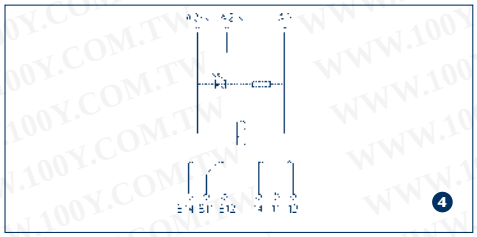
RMD 1/2 W
Soldered relay
2 CO contact



Circuit diagram



Circuit diagram



Size (L x W x H) with TS 35 x 7.5 Weight **Cat. no.**/Qty. **Pluggable relay**	87 x 26 x 76 mm 60 g **Type**	**Circuit diagram**
6586.2/1	RM 1/2 W / 12 V DC	3
5550.2/1	RM 1/2 W / 24 V DC	3
5652.2/1	RM 1/2 W / 115 V DC	3
5648.2/1	RM 1/2 W / 24 V AC	4
5562.2/1	RM 1/2 W / 115 V AC	4
5564.2/1	RM 1/2 W / 230 V AC	4
Soldered relay		
6587.2/1	RMD 1/2 W / 12 V DC	3
5551.2/1	RMD 1/2 W / 24 V DC	3
5653.2/1	RMD 1/2 W / 115 V DC	3
5649.2/1	RMD 1/2 W / 24 V AC	4
5563.2/1	RMD 1/2 W / 115 V AC	4
5565.2/1	RMD 1/2 W / 230 V AC	4
Relay with gold contacts		
6229.2/1	RMD 1 Au/2 W 24 V DC	3
Relay		
Relay	pluggable/soldered	
Contacts	2 CO contact	
Design	Closed	

DIN EN 50178; DIN VDE 0110, Contamination degree 2, overvoltage category III		
4 kV		
5 mm		
-20 to +50°C		
7 mm		
0.2 to 2.5 mm²/AWG 22 to 14		

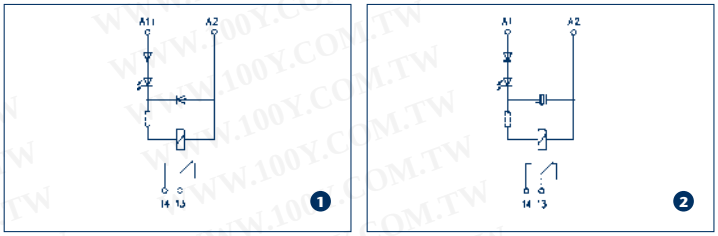
115 V AC	230 VAC	24 V DC (RMD 1 Au)
1.0 VA	1.0 VA	0.4 W
red	red	red
1/2 CO contact	1/2 CO contact	1/2 CO contact
250 V AC	250 V AC	250 V AC
6 A/10 A*	6 A/10 A*	1 A / 1 A
2000 VA at 250 VAC, 8 A	2000 VA at 250 VAC, 8 A	125 VA/30 W
15ms/8ms	15 ms/10 ms	6 ms/5 ms
AgNi	AgNi	AgPd 60/10+10µm Au
> 5 x 10^5	> 5 x 10^5	> 5 x 10^5
> 2 x 10^7	> 2 x 10^7	> 2 x 10^7

RM-S relay modules

- Mounts on TS 32/TS 35
- Screw connection
- Input side:
  free-wheel and reverse-polarity protection diode
- LED for indicating switching status is possible
- Thin design, a width of 11.2 mm

RM-S
Soldered relay
1 NO contact

Circuit diagram



General specifications	
DIN-VDE specifications	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage cat. II
Test voltage coil/contact	4 kV
Operating temperature	-20 to +50°C
Stripping length	7 mm
Wire connect cross-section	0.2 to 2.5 mm²/AWG 22 to 14
Wire cross-section for coil RMS-S	0.2 to 1.5 mm² /AWG 28-16
Relay	soldered
Design	Closed

Cat. no./Qty.	Type	Circuit diagram
Size (L x W x H) with TS 35 x 7.5	77 x 11.2 x 55 mm	
Weight	30 g	
red LED		
6347.2/1	RM-SR/1 S/12 V DC	1
5400.2/1	RM-SR/1 S/24 V DC	1
5412.2/1	RM-SR/1 S/48 V DC	1
5424.2/1	RM-SR/1 S/60 V DC	1
6356.2/1	RM-SR/1 S/12 V DC/AC	2
5406.2/1	RM-SR/1 S/24 V DC/AC	2
5418.2/1	RM-SR/1 S/48 V DC/AC	2
Green LED		
6348.2/1	RM-SG/1 S/12 V DC	1
5401.2/1	RM-SG/1 S/24 V DC	1
5413.2/1	RM-SG/1 S/48 V DC	1
5425.2/1	RM-SG/1 S/60 V DC	1
6357.2/1	RM-SG/1 S/12 V DC/AC	2
5407.2/1	RM-SG/1 S/24 V DC/AC	2
5419.2/1	RM-SG/1 S/48 V DC/AC	2
without LED		
6349.2/1	RM-S/1 S/12 V DC	1
5402.2/1	RM-S/1 S/24 V DC	1
5414.2/1	RM-S/1 S/48 V DC	1
5426.2/1	RM-S/1 S/60 V DC	1
6358.2/1	RM-S/1 S/12 V DC/AC	2
5408.2/1	RM-S/1 S/24 V DC/AC	2
5420.2/1	RM-S/1 S/48 V DC/AC	2

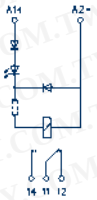
Relay data				
Input data				
Input voltage ±10%	12 V DC	24 V DC	48 V DC	60 V DC
Power consumption ±10%	0.6 W	0.6 W	0.6 W	0.6 W
Output specifications				
Contacts				
Max. switching voltage	250 V AC	250 V AC	250 V AC	250 V AC
Max. continuous current/inrush current	6 A / 8 A	6 A / 8 A	6 A / 8 A	6 A / 8 A
Max. switching capacity at resistive load	2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A
Typical response time/release time	9 ms/ 7 ms	9 ms/ 7 ms	9 ms/ 7 ms	9 ms/ 7 ms
Contact material	AgNi	AgNi	AgNi	AgNi
Electrical lifespan at max. contact load	> 1.5 x 10^5	> 1.5 x 10^6	> 1.5 x 10^7	> 1.5 x 10^8
Mechanical lifespan	> 1 x 10^7	> 1 x 10^8	> 1 x 10^9	> 1 x 10^{10}

RM-S relay modules

RM-S
Soldered relay
1 CO contact

RMS-S
Soldered relay
1 CO contact

Circuit diagram



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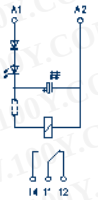

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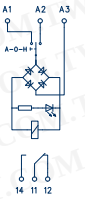
Circuit diagram



5

Cat. no./Qty.	Type	Circuit diagram
Size	77 x 11.2 x 60 mm	
Weight	30 g	
red LED		
6353.2/1	RM-SR/1 W/12 V DC	3
5770.2/1	RM-SR/1 W/24 V DC	3
5776.2/1	RM-SR/1 W/48 V DC	3
5782.2/1	RM-SR/1 W/60 V DC	3
6362.2/1	RM-SR/1 W/12 V DC/AC	4
5773.2/1	RM-SR/1 W/24 V DC/AC	4
5779.2/1	RM-SR/1 W/48 V DC/AC	4
Green LED		
6354.2/1	RM-SG/1 W/12 V DC	3
5771.2/1	RM-SG/1 W/24 V-	3
5777.2/1	RM-SG/1 W/48 V DC	3
5783.2/1	RM-SG/1 W/60 V DC	3
6363.2/1	RM-SG/1 W/12 V DC/AC	4
5774.2/1	RM-SG/1 W/24 V DC/AC	4
5780.2/1	RM-SG/1 W/48 V DC/AC	4
without LED		
6355.2/1	RM-S/1 W/12 V DC	3
5772.2/1	RM-S/1 W/24 V DC	3
5778.2/1	RM-S/1 W/48 V DC	3
5784.2/1	RM-S/1 W/60 V DC	3
6364.2/1	RM-S/1 W/12 V DC/AC	4
5775.2/1	RM-S/1 W/24 V DC/AC	4
5781.2/1	RM-S/1 W/48 V DC/AC	4

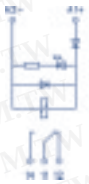
12 V AC/DC	24 V AC/DC	48 V AC/DC
0.6 W/0.8 VA	0.4 W/0.6 VA	0.5 W/0.7 VA
250 V AC	250 V AC	250 V AC
6 A / 8 A	6 A / 8 A	6 A / 8 A
2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A/ 192 W at 24 V DC, 8 A
15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
AgNi	AgNi	AgNi
> 1.5 x 10^{9}	> 1.5 x 10^{10}	> 1.5 x 10^{11}
> 1 x 10^{11}	> 1 x 10^{12}	> 1 x 10^{13}

Relay modules 1 CO RM L

- Mounts on TS 32/TS 35
- Screw connection
- LED for indicating the switching status
- Power relay, 16 A

RML/1 W
Soldered relay
1 CO contact

Circuit diagram



Circuit diagram

Cat. no./Qty.	**Type**	**Circuit diagram**
Soldered relay		
5800.2/1	RML/1 W/24 V DC	1
5801.2/1	RML/1 W/24 V AC/DC	2
5802.2/1	RML/1 W/48 V DC	1
Load relay		
6920.0	RML-L/1 W/24 V DC	1

Size (L x W x H) with TS 35 x 7.5	87 x 24 x 68 mm
Weight	53 g
Relay	soldered
Contacts	1 CO contact
Design	Closed
General specifications	
DIN-VDE specifications	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage category III
Test voltage coil/contact	4 kV
Operating temperature	-20 to +50 °C
Stripping length	7 mm
Wire connect cross-section	0.2 to 2.5 mm^2/AWG 22 to 14

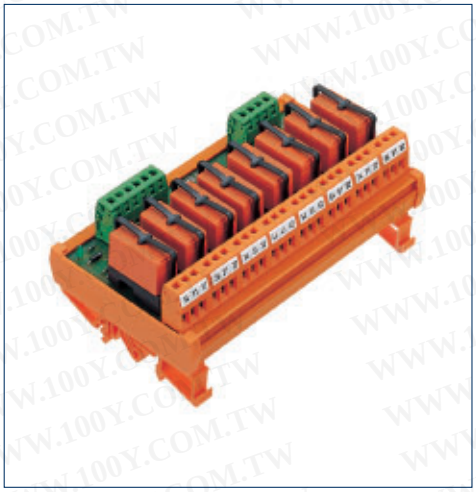
Relay data				
Input data				**RML-L**
Input voltage ±10%	24 V DC	24 V AC/DC	48 V DC	24 V DC
Power consumption ±10%	0.5 W	0.5 W/1.0 VA	0.5 W	0.5 W
Status indication per relay (LED)	red	red	red	red
Output specifications				
Contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. switching voltage	250 V AC	250 V AC	250 V AC	250 V AC
Max. continuous current/inrush current	16 A / 25 A	16 A / 25 A	16 A / 25 A	16 A/80 A (20 ms)
Max. power rating (ohmic load)	4000 VA at 250 V AC, 16 A	4000 VA at 250 V AC, 16 A	4000 VA at 250 V AC, 16 A	4000 VA at 250 V AC 16 A
Typical response time/release time	9 ms/7 ms	15 ms/8 ms	9 ms/7 ms	9 ms/7 ms
Contact material	AgNi 90/10	AgNi 90/10	AgNi 90/10	AgSnO 2
Electrical lifespan at max. contact load	> 2 x 10^5	> 2 x 10^5	> 2 x 10^5	> 2 x 10^5
Mechanical lifespan	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7

Notes

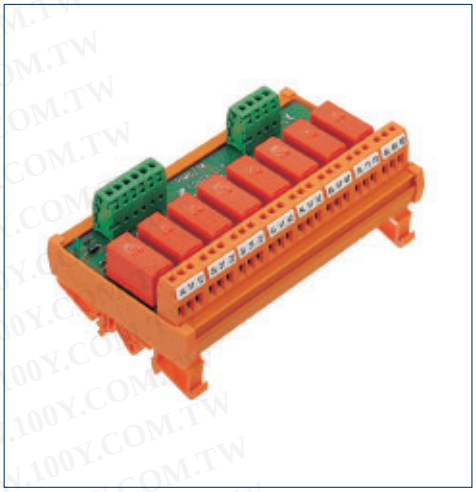
Relay modules 1 CO contact RIM

- Mounts on TS 32/TS 35
- Screw connection
- Relay modules with 1 CO contacts
- Input side:
  free-wheel and reverse-polarity protection diode
- LED for indicating the switching status
- Relays available as solder-in or pluggable
- Other voltages available upon request
- Gold-plated relay contact upon request

RIM/1 W
Pluggable relay
1 CO contact



RIMD/1 W
Soldered relay
1 CO contact

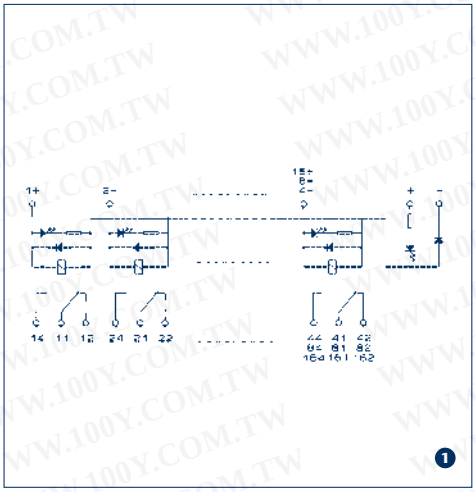


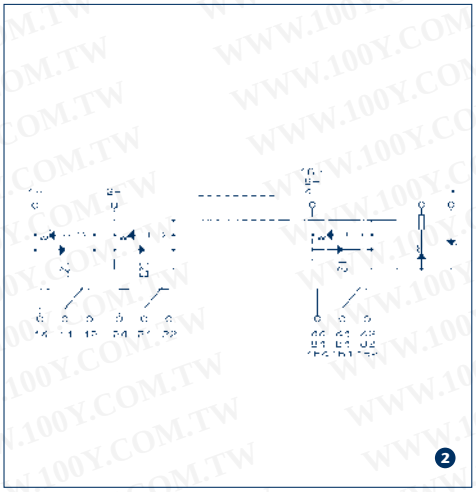
Relay	**Pluggable**	**soldered**
Contacts	**1 CO contact**	**1 CO contact**
Design	**Closed**	**Closed**
General specifications		
DIN-VDE specifications	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage cat. III	
Test voltage coil/contact	4 kV	4 kV
Operating temperature	-20 to +50 °C	-20 to +50 °C
Stripping length	7 mm	7 mm
Wire connect cross-section	0.2 to 2.5 mm^2/AWG 22 to 14	0.2 to 2.5 mm^2/AWG 22 to 14

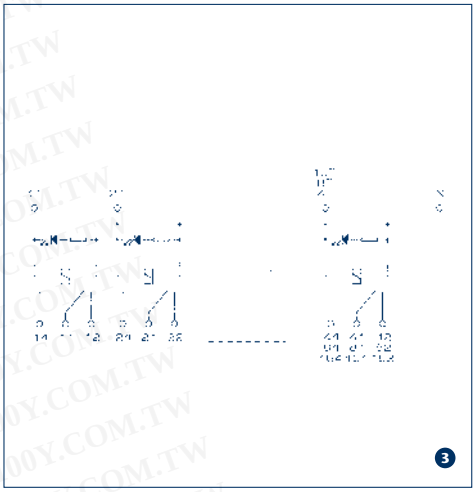
Relay data							
Input data							
Input voltage ±10%	12 V DC	24 V DC	48 V DC	115 V DC	24 V AC	115 VAC	230 VAC
Power consumption ±10%	0.6 W	0.6 W	0.6 W	0.6 W	1.0 VA	1.0 VA	1.0 VA
Operating voltage indicator LED	green	green	green	green	-	-	-
Status indication per relay (LED)	red	red	red	red	red	red	red
Output specifications							
Contacts	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact	1 CO contact
Max. switching voltage	250 V AC	250 V AC	250 V AC	250 V AC	250 V AC	250 V AC	250 V AC
Max. continuous current/inrush current	6 A / 10 A	6 A / 10 A	6 A / 10 A	6 A /10 A	6 A / 10 A	6 A / 10 A	6 A / 10 A
Max. power rating (ohmic load)	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8A
Contact material	AgNi	AgNi	AgNi	AgNi	AgNi	AgNi	AgNi
Electrical lifespan at max. contact load	> 1.5 x 10^5	> 1.5 x 10^5	> 1.5 x 10^5	> 1.5 x 10^5	> 1.5 x 10^5	> 1.5 x 10^5	> 1.5 x 10^5
Mechanical lifespan	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7

Relay modules 1 CO contact RIM

Circuit diagram





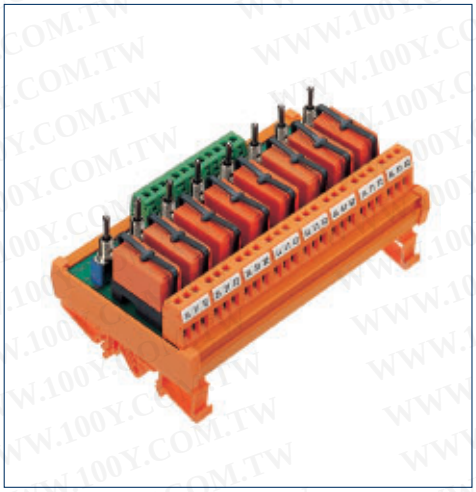


Modules	Cat. no./Qty. Relay Pluggable	Type	Cat. no./Qty. Relay soldered	Type	Circuit dia-gram	Size (L x W x H) with TS 35 x 7.5	Weight
Modules with 2 relays each with 1 CO contact							
	6021.2/1	RIM 2/1 W/24 V +	**6030.2**/1	RIMD 2/1 W/24 V +	1	87 x 41 x 66/57	100 g / 90 g
	6022.2/1	RIM 2/1 W/24 V -	**6031.2**/1	RIMD 2/1 W/24 V -	2	87 x 41 x 66/57	100 g / 90 g
	6023.2/1	RIM 2/1 W/24 ACG	**6032.2**/1	RIMD 2/1 W/24 ACG	3	87 x 41 x 66/57	100 g / 90 g
	6024.2/1	RIM 2/1 W/48 V +	**6033.2**/1	RIMD 2/1 W/48 V +	1	87 x 41 x 66/57	100 g / 90 g
	6025.2/1	RIM 2/1 W/48 V -	**6034.2**/1	RIMD 2/1 W/48 V -	2	87 x 41 x 66/57	100 g / 90 g
	6026.2/1	RIM 2/1 W/115 V +	**6035.2**/1	RIMD 2/1 W/115 V +	1	87 x 41 x 66/57	100 g / 90 g
	6027.2/1	RIM 2/1 W/115 V -	**6036.2**/1	RIMD 2/1 W/115 V -	2	87 x 41 x 66/57	100 g / 90 g
	6028.2/1	RIM 2/1 W/115 ACG	**6037.2**/1	RIMD 2/1 W/115 ACG	3	87 x 41 x 66/57	100 g / 90 g
	6029.2/1	RIM 2/1 W/230 ACG	**6038.2**/1	RIMD 2/1 W/230 ACG	3	87 x 41 x 66/57	100 g / 90 g
Modules with 4 relays each with 1 CO contact							
	6039.2/1	RIM 4/1 W/24 V +	**6048.2**/1	RIMD 4/1 W/24 V +	1	87 x 77 x 66/57	180 g / 160 g
	6040.2/1	RIM 4/1 W/24 V -	**6049.2**/1	RIMD 4/1 W/24 V -	2	87 x 77 x 66/57	180 g / 160 g
	6041.2/1	RIM 4/1 W/24 ACG	**6050.2**/1	RIMD 4/1 W/24 ACG	3	87 x 77 x 66/57	180 g / 160 g
	6042.2/1	RIM 4/1 W/48 V +	**6051.2**/1	RIMD 4/1 W/48 V +	1	87 x 77 x 66/57	180 g / 160 g
	6043.2/1	RIM 4/1 W/48 V -	**6052.2**/1	RIMD 4/1 W/48 V -	2	87 x 77 x 66/57	180 g / 160 g
	6044.2/1	RIM 4/1 W/115 V +	**6053.2**/1	RIMD 4/1 W/115 V +	1	87 x 77 x 66/57	180 g / 160 g
	6045.2/1	RIM 4/1 W/115 V -	**6054.2**/1	RIMD 4/1 W/115 V -	2	87 x 77 x 66/57	180 g / 160 g
	6046.2/1	RIM 4/1 W/115 ACG	**6055.2**/1	RIMD 4/1 W/115 ACG	3	87 x 77 x 66/57	180 g / 160 g
	6047.2/1	RIM 4/1 W/230 ACG	**6056.2**/1	RIMD 4/1 W/230 ACG	3	87 x 77 x 66/57	180 g / 160 g
Modules with 8 relays each with 1 CO contact							
	6057.2/1	RIM 8/1 W/24 V +	**6066.2**/1	RIMD 8/1 W/24 V +	1	87 x 148 x 66/57	340 g / 300 g
	6058.2/1	RIM 8/1 W/24 V -	**6067.2**/1	RIMD 8/1 W/24 V -	2	87 x 148 x 66/57	340 g / 300 g
	6059.2/1	RIM 8/1 W/24 ACG	**6068.2**/1	RIMD 8/1 W/24 ACG	3	87 x 148 x 66/57	340 g / 300 g
	6060.2/1	RIM 8/1 W/48 V +	**6069.2**/1	RIMD 8/1 W/48 V +	1	87 x 148 x 66/57	340 g / 300 g
	6061.2/1	RIM 8/1 W/48 V -	**6070.2**/1	RIMD 8/1 W/48 V -	2	87 x 148 x 66/57	340 g / 300 g
	6062.2/1	RIM 8/1 W/115 V +	**6071.2**/1	RIMD 8/1 W/115 V +	1	87 x 148 x 66/57	340 g / 300 g
	6063.2/1	RIM 8/1 W/115 V -	**6072.2**/1	RIMD 8/1 W/115 V -	2	87 x 148 x 66/57	340 g / 300 g
	6064.2/1	RIM 8/1 W/115 ACG	**6073.2**/1	RIMD 8/1 W/115 ACG	3	87 x 148 x 66/57	340 g / 300 g
	6065.2/1	RIM 8/1 W/230 ACG	**6074.2**/1	RIMD 8/1 W/230 ACG	3	87 x 148 x 66/57	340 g / 300 g
Modules with 16 relays each with 1 CO contact							
	6075.2/1	RIM 16/1 W/24 V +	**6084.2**/1	RIMD 16/1 W/24 V +	1	87 x 291 x 66/57	660 g / 580 g
	6076.2/1	RIM 16/1 W/24 V -	**6085.2**/1	RIMD 16/1 W/24 V -	2	87 x 291 x 66/57	660 g / 580 g
	6077.2/1	RIM 16/1 W/24 ACG	**6086.2**/1	RIMD 16/1 W/24 ACG	3	87 x 291 x 66/57	660 g / 580 g
	6078.2/1	RIM 16/1 W/48 V +	**6087.2**/1	RIMD 16/1 W/48 V +	1	87 x 291 x 66/57	660 g / 580 g
	6079.2/1	RIM 16/1 W/48 V -	**6088.2**/1	RIMD 16/1 W/48 V -	2	87 x 291 x 66/57	660 g / 580 g
	6080.2/1	RIM 16/1 W/115 V +	**6089.2**/1	RIMD 16/1 W/115 V +	1	87 x 291 x 66/57	660 g / 580 g
	6081.2/1	RIM 16/1 W/115 V -	**6090.2**/1	RIMD 16/1 W/115 V -	2	87 x 291 x 66/57	660 g / 580 g
	6082.2/1	RIM 16/1 W/115 ACG	**6091.2**/1	RIMD 16/1 W/115 ACG	3	87 x 291 x 66/57	660 g / 580 g
	6083.2/1	RIM 16/1 W/230 ACG	**6092.2**/1	RIMD 16/1 W/230 ACG	3	87 x 291 x 66/57	660 g / 580 g

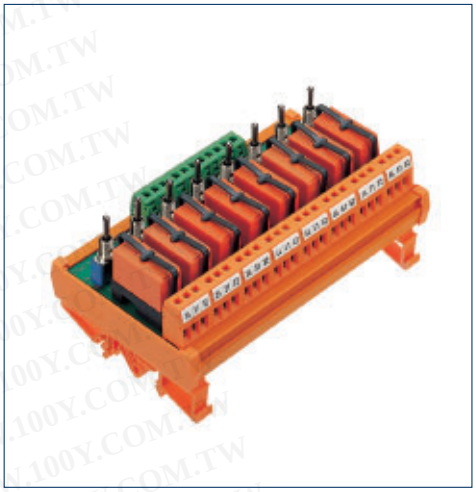
Relay modules 1 CO contact RIM S

- Mounts on TS 32/TS 35
- Screw connection
- Relay modules with 1 CO contacts
- Switch for switching between Manual/Off/ Automatic
- LED for indicating the switching status
- Relays available as solder-in or pluggable
- With or without feedback loop
- Gold-plated relay contact upon request

RIM S/1 W
Pluggable relay
1 CO contact



RIMD S/1 W
Soldered relay
1 CO contact

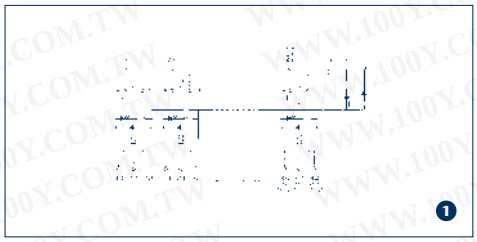


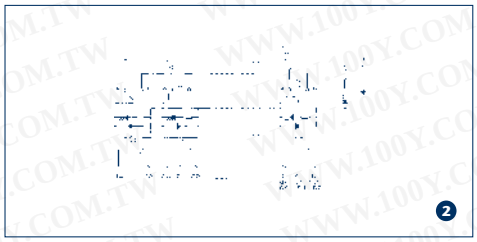
Relay	**Pluggable**	**soldered**
Contacts	**1 CO contact**	**1 CO contact**
Design	**Closed**	**Closed**
General specifications		
DIN-VDE specifications	DIN EN 50178, DIN VDE 0110, Contamination degree 2, overvoltage category III	DIN EN 50178, DIN VDE 0110, Contamination degree 2, overvoltage category III
Test voltage coil/contact	4 kV	4 kV
Pinning		
Operating temperature	-20 to +50 °C	-20 to +50 °C
Important notes		
Stripping length	7mm	7mm
Wire connect cross-section	0.2 to 2.5mm²/AWG 22 to 14	0.2 to 2.5mm²/AWG 22 to 14

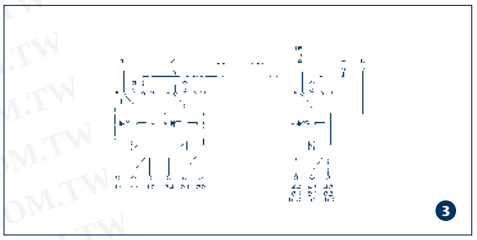
Relay data				
Input data				
Input voltage ±10%	24 V DC	24 V AC	230 V AC	
Power consumption ±10%	0.6 W	1.0 VA	1.0 VA	
Operating voltage indicator LED	green	-	-	
Status indication per relay (LED)	red	red	red	
Output specifications				
Contacts	1 CO contact	1 CO contact	1 CO contact	
Max. switching voltage	250 V AC	250 V AC	250 V AC	
Max. continuous current/inrush current	6 A / 10 A	6 A / 10 A	6 A / 10 A	
Max. power rating (ohmic load)	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8 A	2000 VA at 250 V AC, 8 A 192 W at 24 V DC, 8 A	
Typical response time/release time	9 ms/7 ms	15 ms/10 ms	15 ms/10 ms	
Contact material	AgNi	AgNi	AgNi	
Electrical lifespan at max. contact load	> 1.5 x 10^5	> 1.5 x 10^5	> 1.5 x 10^5	
Mechanical lifespan	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	

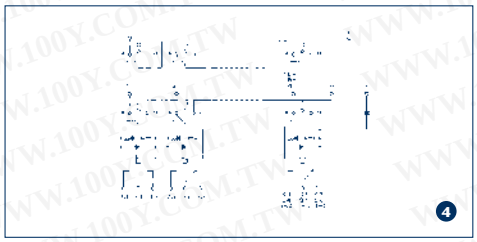
Relay modules 1 CO contact RIM S

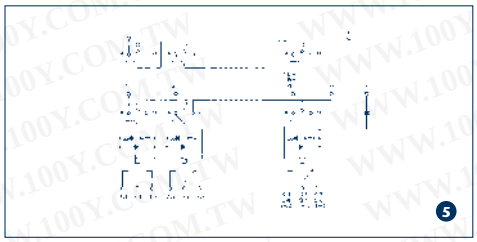
Circuit diagram









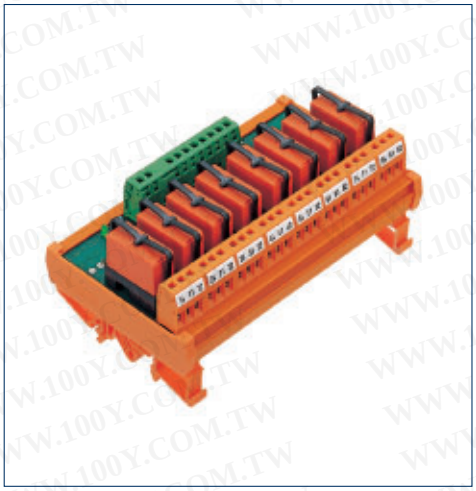


Modules	Cat. no./Qty. Relay Pluggable	Type	Cat. no./Qty. Relay soldered	Type	Circuit dia-gram	Size (L x W x H) with TS 35 x 7.5	Weight
Modules with 2 relays each with 1 CO contact							
	5900.3/1	RIM 2 S/1 W/24 V +	**5902.3**/1	RIMD 2 S/1 W/24 V +	1	87 x 44 x 74	115 g / 105 g
	5901.3/1	RIM 2 S/1 W/24 V -	**5903.3**/1	RIMD 2 S/1 W/24 V -	2	87 x 44 x 74	115 g / 105 g
	6588.2/1	RIM 2 S/1 W/24 ACG	**6589.2**/1	RIMD 2 S/1 W/24 ACG	3	87 x 44 x 74	115 g / 105 g
	6590.2/1	RIM 2 S/1 W/230 ACG	**6591.2**/1	RIMD 2 S/1 W/230 ACG	3	87 x 44 x 74	115 g / 105 g
	6606.2/1	RIM 2-2 S/1 W/24 +	**6607.2**/1	RIMD 2-2 S/1 W/24 +	4	87 x 44 x 74	115 g / 105 g
	6608.2/1	RIM 2-2 S/1 W/24 -	**6609.2**/1	RIMD 2-2 S/1 W/24 -	5	87 x 44 x 74	115 g / 105 g
	6610.2/1	RIM 2-2 S/1 W/24 ACG	**6611.2**/1	RIMD 2-2 S/1 W/24 ACG	6	87 x 44 x 74	115 g / 105 g
	6612.2/1	RIM 2-2 S/1 W/230 ACG	**6613.2**/1	RIMD 2-2 S/1 W/230 ACG	6	87 x 44 x 74	115 g / 105 g
Modules with 4 relays each with 1 CO contact							
	5904.3/1	RIM 4 S/1 W/24 V +	**5906.3**/1	RIMD 4 S/1 W/24 V +	1	87 x 78 x 74	195 g / 175 g
	5905.3/1	RIM 4 S/1 W/24 V -	**5907.3**/1	RIMD 4 S/1 W/24 V -	2	87 x 78 x 74	195 g / 175 g
	6592.2/1	RIM 4 S/1 W/24 ACG	**6593.2**/1	RIMD 4 S/1 W/24 ACG	3	87 x 78 x 74	195 g / 175 g
	6594.2/1	RIM 4 S/1 W/230 ACG	**6595.2**/1	RIMD 4 S/1 W/230 ACG	3	87 x 78 x 74	195 g / 175 g
	6614.2/1	RIM 4-2 S/1 W/24 +	**6615.2**/1	RIMD 4-2 S/1 W/24 +	4	87 x 78 x 74	195 g / 175 g
	6616.2/1	RIM 4-2 S/1 W/24 -	**6617.2**/1	RIMD 4-2 S/1 W/24 -	5	87 x 78 x 74	195 g / 175 g
	6618.2/1	RIM 4-2 S/1 W/24 ACG	**6619.2**/1	RIMD 4-2 S/1 W/24 ACG	6	87 x 78 x 74	195 g / 175 g
	6620.2/1	RIM 4-2 S/1 W/230 ACG	**6621.2**/1	RIMD 4-2 S/1 W/230 ACG	6	87 x 78 x 74	195 g / 175 g
Modules with 8 relays each with 1 CO contact							
	5908.3/1	RIM 8 S/1 W/24 V +	**5910.3**/1	RIMD 8 S/1 W/24 V +	1	87 x 150 x 74	365 g / 325 g
	5909.3/1	RIM 8 S/1 W/24 V -	**5911.3**/1	RIMD 8 S/1 W/24 V -	2	87 x 150 x 74	365 g / 325 g
	6596.2/1	RIM 8 S/1 W/24 ACG	**6597.2**/1	RIMD 8 S/1 W/24 ACG	3	87 x 150 x 74	365 g / 325 g
	6598.2/1	RIM 8 S/1 W/230 ACG	**6599.2**/1	RIMD 8 S/1 W/230 ACG	3	87 x 150 x 74	365 g / 325 g
	6622.2/1	RIM 8-2 S/1 W/24 +	**6623.2**/1	RIMD 8-2 S/1 W/24 +	4	87 x 150 x 74	365 g / 325 g
	6624.2/1	RIM 8-2 S/1 W/24 -	**6625.2**/1	RIMD 8-2 S/1 W/24 -	5	87 x 150 x 74	365 g / 325 g
	6626.2/1	RIM 8-2 S/1 W/24 ACG	**6627.2**/1	RIMD 8-2 S/1 W/24 ACG	6	87 x 150 x 74	365 g / 325 g
	6628.2/1	RIM 8-2 S/1 W/230 ACG	**6629.2**/1	RIMD 8-2 S/1 W/230 ACG	6	87 x 150 x 74	365 g / 325 g
Modules with 16 relays each with 1 CO contact							
	6600.2/1	RIM 16 S/1 W/24 V +	**6601.2**/1	RIMD 16 S/1 W/24 V +	1	87 x 292 x 74	715 g / 635 g
	6602.2/1	RIM 16 S/1 W/24 V -	**6603.2**/1	RIMD 16 S/1 W/24 V -	2	87 x 292 x 74	715 g / 635 g
	6604.2/1	RIM 16 S/1 W/24 ACG	**6605.2**/1	RIMD 16 S/1 W/24 ACG	3	87 x 292 x 74	715 g / 635 g
	6630.2/1	RIM 16 S/1 W/230 ACG	**6631.2**/1	RIMD 16 S/1 W/230 ACG	3	87 x 292 x 74	715 g / 635 g
	6632.2/1	RIM 16-2 S/1 W/24 +	**6633.2**/1	RIMD 16-2 S/1 W/24 +	4	87 x 292 x 74	715 g / 635 g
	6634.2/1	RIM 16-2 S/1 W/24 -	**6635.2**/1	RIMD 16-2 S/1 W/24 -	5	87 x 292 x 74	715 g / 635 g
	6636.2/1	RIM 16-2 S/1 W/24 ACG	**6637.2**/1	RIMD 16-2 S/1 W/24 ACG	6	87 x 292 x 74	715 g / 635 g
	6638.2/1	RIM 16-2 S/1 W/230 ACG	**6639.2**/1	RIMD 16-2 S/1 W/230 ACG	6	87 x 292 x 74	715 g / 635 g

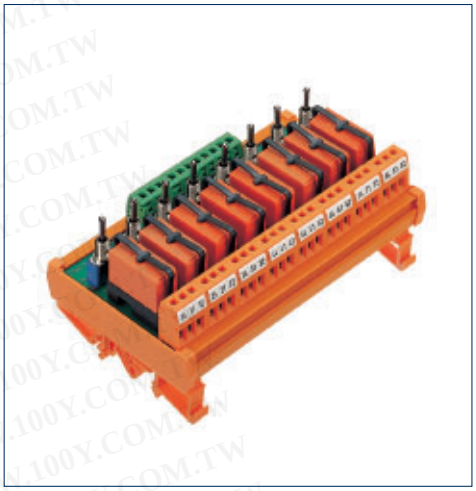
Relay modules 1 CO contact RIM-16 A

- Mounts on TS 32/TS 35
- Screw connection
- Relay modules with 1 CO contacts
- Switch for MANUAL/OFF/AUTOMATIC switching
- LED for indicating the switching status
- Relays available as solder-in or pluggable
- Other voltages available upon request
- 16 A power relay, with 1 CO contact
- Power relay 80 A (20 ms) inrush current, available upon request

RIM 16 A/1 W
Pluggable relay
1 CO contact



RIMS 16 A/1 W
MANUAL/OFF/AUTOMATIC
1 CO contact

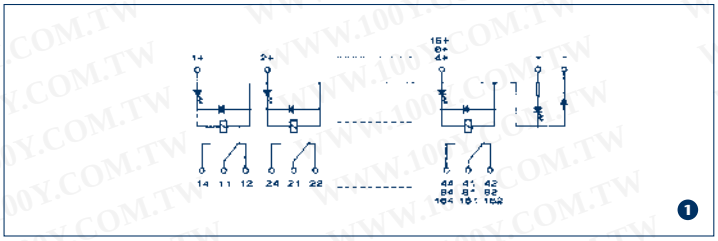


Relay	**Pluggable**	**soldered**
Contacts	**1 CO contact**	**1 CO contact**
Design	**Closed**	**Closed**
General specifications		
DIN-VDE specifications	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage category III	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage category III
Test voltage coil/contact	4 kV	4 kV
Operating temperature	-20 to +50 °C	-20 to +50 °C
Stripping length	7 mm	7 mm
Wire connect cross-section	0.2 to 2.5mm²/AWG 22 to 14	0.2 to 2.5mm²/AWG 22 to 14

Relay data		
Input data		
Input voltage ±10%	24 V DC	24 V DC
Power consumption ±10%	0.6 W	0.6 W
Operating voltage indicator LED	green	green
Status indication per relay (LED)	red	red
Output specifications		
Contacts	1 CO contact	1 CO contact
Max. switching voltage	250 V AC/DC	250 V AC/DC
Max. continuous current/inrush current	16 A / 16 A	16 A / 16 A
Max. power rating (ohmic load)	4000 VA at 250 V AC, 384 W at 24 V DC	4000 VA at 250 V AC, 384 W at 24 V DC
Typical response time/release time	9 ms/7 ms	9 ms/7 ms
Contact material	AgNi	AgNi
Electrical lifespan at max. contact load	> 8 x 10^4	> 8 x 10^4
Mechanical lifespan	> 3 x 10^7	> 3 x 10^7

Relay modules 1 CO contact RIM-16 A

Circuit diagram



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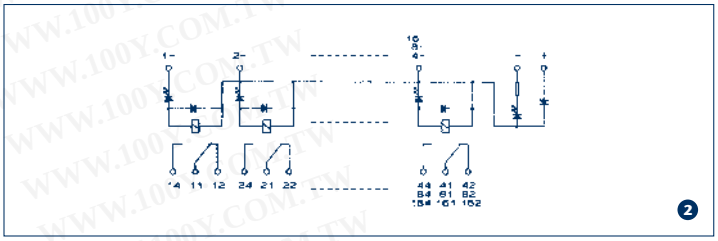

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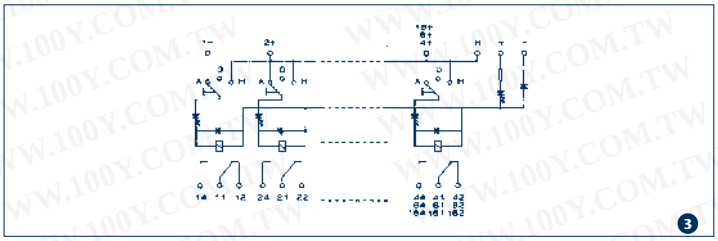

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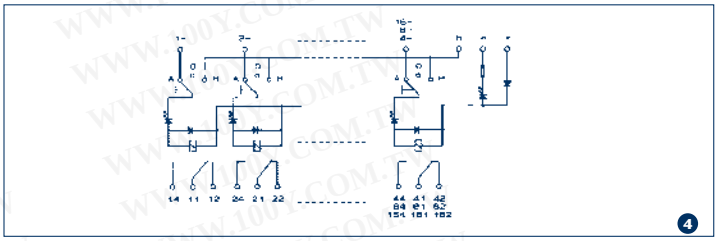


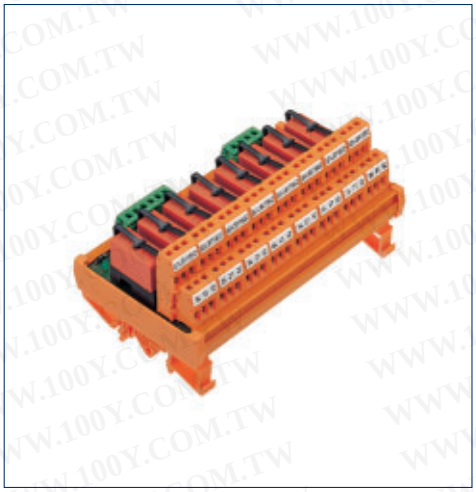
4

Modules	Cat. no./Qty. Relay Pluggable	Type	Cat. no./Qty. Relay soldered	Type	Circuit dia-gram	Size (L x W x H) with TS 35 x 7.5	Weight
Modules with 2 relays each with 1 CO contact							
	6016.2/1	RIM 2-16 A/1 W/24 V +	**6648.2**/1	RIMD 2-16 A/1 W/24 V +	1	87 x 42 x 74	100 g / 90 g
	6640.2/1	RIM 2-16 A/1 W/24 V -	**6649.2**/1	RIMD 2-16 A/1 W/24 V -	2	87 x 42 x 74	100 g / 90 g
	6017.2/1	RIM 2 S-16 A/1 W/24 V +	**6650.2**/1	RIMD 2 S-16 A/1 W/24 V +	3	87 x 42 x 74	110 g / 100 g
	6641.2/1	RIM 2 S-16 A/1 W/24 V -	**6651.2**/1	RIMD 2 S-16 A/1 W/24 V -	4	87 x 42 x 74	110 g / 100 g
Modules with 4 relays each with 1 CO contact							
	6018.2/1	RIM 4-16 A/1 W/24 V +	**6652.2**/1	RIMD 4-16 A/1 W/24 V +	1	87 x 77 x 74	180 g / 160 g
	6642.2/1	RIM 4-16 A/1 W/24 V -	**6653.2**/1	RIMD 4-16 A/1 W/24 V -	2	87 x 77 x 74	180 g / 160 g
	6019.2/1	RIM 4 S-16 A/1 W/24 V +	**6654.2**/1	RIMD 4 S-16 A/1 W/24 V +	3	87 x 77 x 74	200 g / 180 g
	6643.2/1	RIM 4 S-16 A/1 W/24 V -	**6655.2**/1	RIMD 4 S-16 A/1 W/24 V -	4	87 x 77 x 74	200 g / 180 g
Modules with 8 relays each with 1 CO contact							
	6012.2/1	RIM 8-16 A/1 W/24 V +	**6656.2**/1	RIMD 8-16 A/1 W/24 V +	1	87 x 148 x 74	340 g / 300 g
	6644.2/1	RIM 8-16 A/1 W/24 V -	**6657.2**/1	RIMD 8-16 A/1 W/24 V -	2	87 x 148 x 74	340 g / 300 g
	6013.2/1	RIM 8 S-16 A/1 W/24 V +	**6658.2**/1	RIMD 8 S-16 A/1 W/24 V +	3	87 x 148 x 74	380 g / 340 g
	6645.2/1	RIM 8 S-16 A/1 W/24 V -	**6659.2**/1	RIMD 8 S-16 A/1 W/24 V -	4	87 x 148 x 74	380 g / 340 g
Modules with 16 relays each with 1 CO contact							
	6014.2/1	RIM 16-16 A/1 W/24 V +	**6660.2**/1	RIMD 16-16 A/1 W/24 V +	1	87 x 290 x 74	660 g / 580 g
	6646.2/1	RIM 16-16 A/1 W/24 V -	**6661.2**/1	RIMD 16-16 A/1 W/24 V -	2	87 x 290 x 74	660 g / 580 g
	6015.2/1	RIM 16 S-16 A/1 W/24 V +	**6662.2**/1	RIMD 16 S-16 A/1 W/24 V +	3	87 x 290 x 74	740 g / 660 g
	6647.2/1	RIM 16 S-16 A/1 W/24 V -	**6663.2**/1	RIMD 16 S-16 A/1 W/24 V -	4	87 x 290 x 74	740 g / 660 g

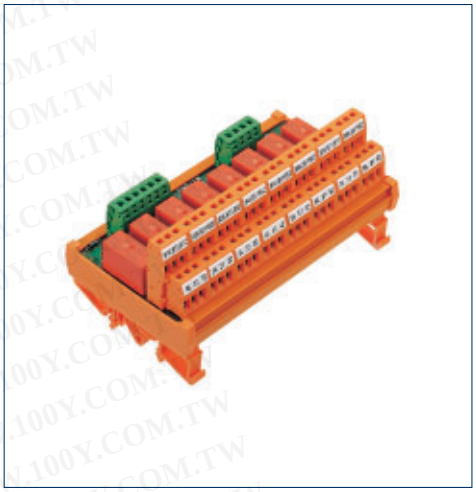
Relay modules 2 CO contact RIM

- Mounts on TS 32/TS 35
- Screw connection
- Relay modules with 2 CO contacts
- Input side:
  Reverse polarity protection is provided
- LED for indicating the switching status
- Relays available as solder-in or pluggable
- Other voltages available upon request

RIM/2 W
Pluggable relay
2 CO contact



RIMD/2 W
Soldered relay
2 CO contact

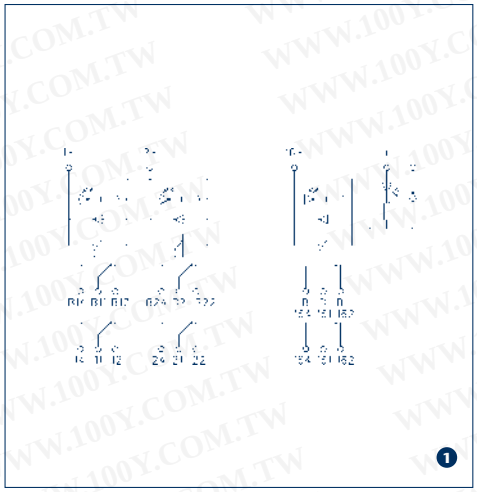


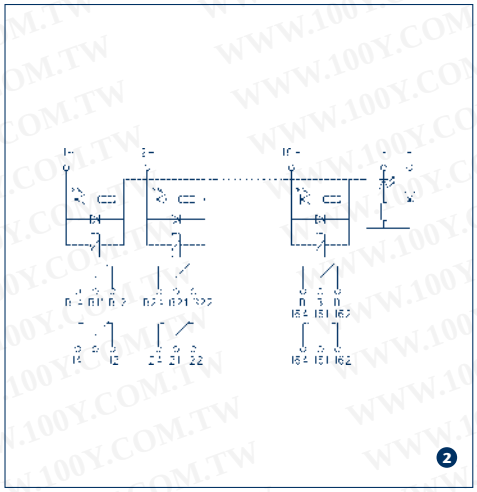
Relay	**Pluggable**	**soldered**
Contacts	**2 CO contact**	**2 CO contact**
Design	**Closed**	**Closed**
General specifications		
DIN-VDE specifications	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage cat. III	DIN EN 50178, DIN VDE 0110, contamination degree 2, overvoltage cat. III
Test voltage coil/contact	4 kV	4 kV
Pinning	5 mm	5 mm
Operating temperature	-20 to 50 °C	-20 to 50 °C
Stripping length	7 mm	7 mm
Wire connect cross-section	0.2 to 2.5mm²/AWG 22 to 14	0.2 to 2.5mm²/AWG 22 to 14

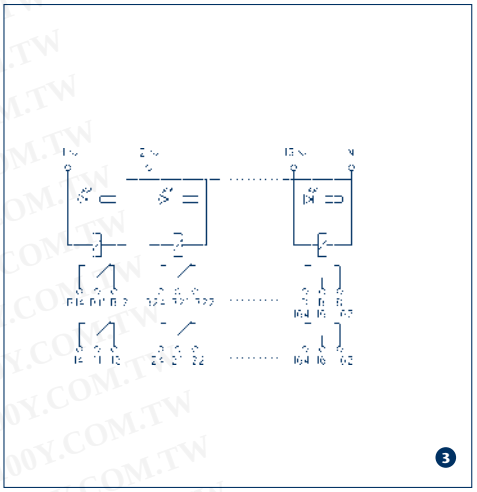
Relay data						
Input data						
Input voltage ±10%	24 V DC	48 V DC	115 V DC	24 V AC	115 V AC	230 V AC
Power consumption ±10%	0.5 W	0.5 W	0.5 W	1.0 VA	1.0 VA	1.0 VA
Operating voltage indicator LED	green	green	green	-	-	-
Status indication per relay (LED)	red	red	red	red	red	red
Contacts	2 CO contact	2 CO contact	2 CO contact	2 CO contact	2 CO contact	2 CO contact
Max. switching voltage	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
Max. continuous current/inrush current	4 A / 8 A	4 A / 8 A	4 A / 8 A	4 A / 8 A	4 A / 8 A	4 A / 8 A
Max. power rating (ohmic load)	1250 VA/144 W	1250 VA/144 W	1250 VA/144 W	1250 VA/144 W	1250 VA/144 W	1250 VA/144 W
Typical response time/release time	9 ms/7 ms	9 ms/7 ms	9 ms/7 ms	15 ms/10 ms	15 ms/10 ms	15 ms/10 ms
Contact material	AgNi	AgNi	AgNi	AgNi	AgNi	AgNi
Mechanical lifespan	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7	> 1 x 10^7
Electrical lifespan 24V DC/1A resistive load	> 5 x 10^5	> 5 x 10^5	> 5 x 10^5	> 5 x 10^5	> 5 x 10^5	> 5 x 10^5
Electrical lifespan 230V DC/2A resistive load	> 2 x 10^5	> 2 x 10^5	> 2 x 10^5	> 2 x 10^5	> 2 x 10^5	> 2 x 10^5

Relay modules 2 CO contact RIM

Circuit diagram







Modules	Cat. no./Qty. Relay Pluggable	Type	Cat. no./Qty. Relay soldered	Type	Circuit dia-gram	Size (L x W x H) with TS 35 x 7.5	Weight
Modules with 2 relays each with 2 CO contact							
	5566.2/1	RIM 2/2 W/24 V +	**5567.2**/1	RIMD 2/2 W/24 V +	1	87 x 44 x 72	120 g / 110 g
	5568.2/1	RIM 2/2 W/24 V -	**5569.2**/1	RIMD 2/2 W/24 V -	2	87 x 44 x 72	120 g / 110 g
	5658.2/1	RIM 2/2 W/24 ACG	**5659.2**/1	RIMD 2/2 W/24 ACG	3	87 x 44 x 72	120 g / 110 g
	5570.2/1	RIM 2/2 W/48 V +	**5571.2**/1	RIMD 2/2 W/48 V +	1	87 x 44 x 72	120 g / 110 g
	5572.2/1	RIM 2/2 W/48 V -	**5573.2**/1	RIMD 2/2 W/48 V -	2	87 x 44 x 72	120 g / 110 g
	5662.2/1	RIM 2/2 W/115 V +	**5663.2**/1	RIMD 2/2 W/115 V +	1	87 x 44 x 72	120 g / 110 g
	5664.2/1	RIM 2/2 W/115 V -	**5665.2**/1	RIMD 2/2 W/115 V -	2	87 x 44 x 72	120 g / 110 g
	5578.2/1	RIM 2/2 W/115 ACG	**5579.2**/1	RIMD 2/2 W/115 ACG	3	87 x 44 x 72	120 g / 110 g
	5580.2/1	RIM 2/2 W/230 ACG	**5581.2**/1	RIMD 2/2 W/230 ACG	3	87 x 44 x 72	120 g / 110 g
Modules with 4 relays each with 2 CO contact							
	5582.2/1	RIM 4/2 W/24 V +	**5583.2**/1	RIMD 4/2 W/24 V +	1	87 x 80 x 72	202 g / 182 g
	5584.2/1	RIM 4/2 W/24 V -	**5585.2**/1	RIMD 4/2 W/24 V -	2	87 x 80 x 72	202 g / 182 g
	5668.2/1	RIM 4/2 W/24 ACG	**5669.2**/1	RIMD 4/2 W/24 ACG	3	87 x 80 x 72	202 g / 182 g
	5586.2/1	RIM 4/2 W/48 V +	**5587.2**/1	RIMD 4/2 W/48 V +	1	87 x 80 x 72	202 g / 182 g
	5588.2/1	RIM 4/2 W/48 V -	**5589.2**/1	RIMD 4/2 W/48 V -	2	87 x 80 x 72	202 g / 182 g
	5672.2/1	RIM 4/2 W/115 V +	**5673.2**/1	RIMD 4/2 W/115 V +	1	87 x 80 x 72	202 g / 182 g
	5674.2/1	RIM 4/2 W/115 V -	**5675.2**/1	RIMD 4/2 W/115 V -	2	87 x 80 x 72	202 g / 182 g
	5594.2/1	RIM 4/2 W/115 ACG	**5595.2**/1	RIMD 4/2 W/115 ACG	3	87 x 80 x 72	202 g / 182 g
	5596.2/1	RIM 4/2 W/230 ACG	**5597.2**/1	RIMD 4/2 W/230 ACG	3	87 x 80 x 72	202 g / 182 g
Modules with 8 relays each with 2 CO contact							
	6155.2/1	RIM 8/2 W/24 V +	**6156.2**/1	RIMD 8/2 W/24 V +	1	87 x 151 x 72	392 g / 352 g
	6157.2/1	RIM 8/2 W/24 V -	**6158.2**/1	RIMD 8/2 W/24 V -	2	87 x 151 x 72	392 g / 352 g
	6159.2/1	RIM 8/2 W/24 ACG	**6160.2**/1	RIMD 8/2 W/24 ACG	3	87 x 151 x 72	392 g / 352 g
	6161.2/1	RIM 8/2 W/48 V +	**6162.2**/1	RIMD 8/2 W/48 V +	1	87 x 151 x 72	392 g / 352 g
	6163.2/1	RIM 8/2 W/48 V -	**6164.2**/1	RIMD 8/2 W/48 V -	2	87 x 151 x 72	392 g / 352 g
	6165.2/1	RIM 8/2 W/115 V +	**6166.2**/1	RIMD 8/2 W/115 V +	1	87 x 151 x 72	392 g / 352 g
	6167.2/1	RIM 8/2 W/115 V -	**6168.2**/1	RIMD 8/2 W/115 V -	2	87 x 151 x 72	392 g / 352 g
	6169.2/1	RIM 8/2 W/115 ACG	**6170.2**/1	RIMD 8/2 W/115 ACG	3	87 x 151 x 72	392 g / 352 g
	6171.2/1	RIM 8/2 W/230 ACG	**6172.2**/1	RIMD 8/2 W/230 ACG	3	87 x 151 x 72	392 g / 352 g
Modules with 16 relays each with 2 CO contact							
	6173.2/1	RIM 16/2 W/24 V +	**6174.2**/1	RIMD 16/2 W/24 V +	1	87 x 293 x 72	764 g / 684 g
	6175.2/1	RIM 16/2 W/24 V -	**6176.2**/1	RIMD 16/2 W/24 V -	2	87 x 293 x 72	764 g / 684 g
	6177.2/1	RIM 16/2 W/24 ACG	**6178.2**/1	RIMD 16/2 W/24 ACG	3	87 x 293 x 72	764 g / 684 g
	6179.2/1	RIM 16/2 W/48 V +	**6180.2**/1	RIMD 16/2 W/48 V +	1	87 x 293 x 72	764 g / 684 g
	6181.2/1	RIM 16/2 W/48 V -	**6182.2**/1	RIMD 16/2 W/48 V -	2	87 x 293 x 72	764 g / 684 g
	6183.2/1	RIM 16/2 W/115 V +	**6184.2**/1	RIMD 16/2 W/115 V +	1	87 x 293 x 72	764 g / 684 g
	6185.2/1	RIM 16/2 W/115 V -	**6186.2**/1	RIMD 16/2 W/115 V -	2	87 x 293 x 72	764 g / 684 g
	6187.2/1	RIM 16/2 W/115 ACG	**6188.2**/1	RIMD 16/2 W/115 ACG	3	87 x 293 x 72	764 g / 684 g
	6189.2/1	RIM 16/2 W/230 ACG	**6190.2**/1	RIMD 16/2 W/230 ACG	3	87 x 293 x 72	764 g / 684 g