

INSTALLATION RELAYS RPI



RPI-16-001-X230-SE

Installation relays - electronic

- For switching of electrical circuits by application of control voltage on the coil.
- There is ensured such electrical isolation between the control circuit (coil) and main circuit (contact) as it is between inlet and outlet lead of the safety transformer.
- Light indication at contacts closing.
- Noiseless switching.

Installation relays RPI-16...

- For control of electric appliances up to 16 A – electric boilers, convection heaters, water-heaters, storage heaters and also low power lighting circuits.
- Contacts: 1 make-and-break.
- Control voltage: AC/DC 24 V, AC 230 V.

Arrangement of contacts ¹⁾	Control voltage U _c	Colour of indication	Type	Order code	Number of modules	Weight [kg]	Package [pcs]
001	AC/DC 24 V	red	RPI-16-001-X230-SC	OEZ:43251	1	0.070	1
	AC 230 V	green	RPI-16-001-X230-SE	OEZ:43250	1	0.070	1

¹⁾ Each digit indicates successively the number of make, break and break-make contacts.

Installation relays RPI-08...

- For control of electric appliances up to 8 A – electric boilers, convection heaters, water-heaters, storage heaters and also low power lighting circuits.
- Contacts: 2 make-and-break.
Control voltage: AC/DC 24 V, AC 230 V (X230).
- Contacts: 3 make-and-break.
Control voltage: AC 24 ÷ 230 V, DC 24 ÷ 220 V (UNI).
- In applications, where the make time exceeds 1 hour or mark-to-space ratio of switching is higher than 25 %, it is necessary for assurance of the stated life to create a gap between the devices of at least 2 mm (0.5 module recommended).

Arrangement of contacts ¹⁾	Control voltage U _c	Colour of indication	Type	Order code	Number of modules	Weight [kg]	Package [pcs]
002	AC/DC 24 V	red	RPI-08-002-X230-SC	OEZ:43253	1	0.070	1
	AC 230 V	green	RPI-08-002-X230-SE	OEZ:43252	1	0.070	1
003	AC 24 ÷ 230 V	red	RPI-08-003-UNI-SC	OEZ:43255	1	0.070	1
	DC 24 ÷ 220 V	green	RPI-08-003-UNI-SE	OEZ:43254	1	0.070	1

¹⁾ Each digit indicates successively the number of make, break and break-make contacts.

INSTALLATION RELAYS RPI

Specifications

Type		RPI-16-001-X230	RPI-08-002-X230	RPI-08-003-UNI
Standards		EN 60669-2-2	EN 60669-2-2	EN 60669-2-2
Approval marks		CE EAC	CE EAC	CE EAC
Main circuit (contact)				
Arrangement of contacts ¹⁾		001	002	003
Rated operating voltage/current	U_e/I_e	AC - 1	250 V / 16 A	250 V / 8 A
		DC - 1	24 V / 16 A	24 V / 8 A
Max. switched power		AC	4 000 VA	2 000 VA
		DC	384 W	192 W
Min. voltage/current		DC 5 V / 100 mA	DC 5 V / 100 mA	DC 5 V / 100 mA
Switched power of relay		AC - 3	1 kW	200 W
		AC - 5a	288 W ($\cos \phi = 0.8$)	-
		AC - 5b	1 kW	200 W
Indication of closed contacts		RPI-...-SC	red LED	red LED
		RPI-...-SE	green LED	green LED
Total power loss at I_e		1.4 W	1.2 W	1.9 W
Mechanical endurance		20 000 000 operating cycles	5 000 000 operating cycles	5 000 000 operating cycles
Electrical endurance		AC 50 000 operating cycles, DC 30 000 operating cycles	100 000 operating cycles	100 000 operating cycles
Connection – conductor rigid and flexible		0.2 ÷ 2.5 mm ²	0.2 ÷ 2.5 mm ²	0.2 ÷ 2.5 mm ²
Torque		0.5 Nm	0.5 Nm	0.5 Nm
Control circuit (coil)				
Rated voltage ²⁾	U_c	terminals A1, A2	AC/DC 24 V	AC/DC 24 V
		terminals A2, A3	AC 230 V	AC 230 V
Input power at U_c		AC 24 V	0.31 VA	0.30 VA
		DC 24 V	0.34 W	0.34 W
		AC 230 V	3.24 VA	3.45 VA
		DC 220 V	-	-
				0.92 W
Rated frequency	f_n	50 Hz	50 Hz	50 Hz
Connection – conductor rigid and flexible		0.2 ÷ 2.5 mm ²	0.2 ÷ 2.5 mm ²	0.2 ÷ 2.5 mm ²
Torque		0.5 Nm	0.5 Nm	0.5 Nm
Other data				
Mounting on "U" rail according EN 60715 – type		TH35	TH35	TH35
Degree of protection		IP20	IP20	IP20
Ambient temperature		-20 ÷ +55 °C	-20 ÷ +55 °C	-20 ÷ +55 °C
Working position		arbitrary	arbitrary	arbitrary

¹⁾ Each digit indicates successively the number of make, break and break-make contacts.

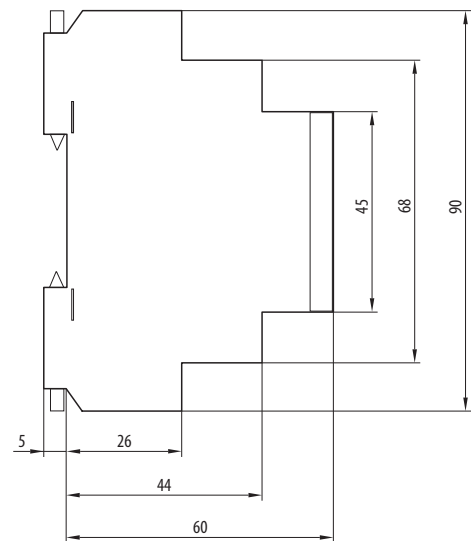
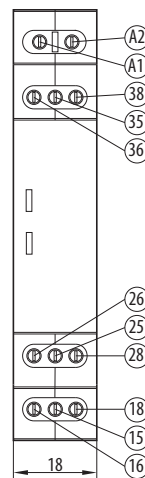
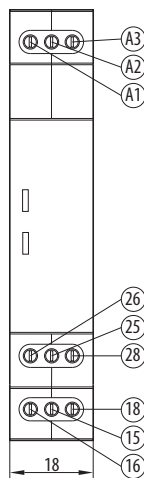
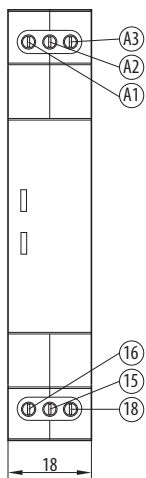
²⁾ For DC voltage it does not depend on polarity.

Dimensions

RPI-16-001-...

RPI-08-002-...

RPI-08-003-...



Diagram

