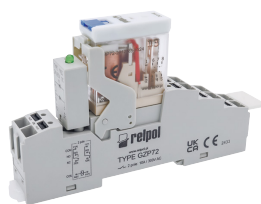


PI72P with socket Push-in GZP72 interface relays with Push-in terminals

RMP7 + GZP72



NEW

- Interface relay **PI72P with socket GZP72** consists of: electromagnetic relay **RMP7**, grey plug-in socket **GZP72**, signalling / protecting module type Y..., retainer / retractor clip (plastic)
- 35 mm rail mount acc. to EN 60715 or on panel mounting with one M3 screw
- Recognitions, certifications, directives: recognitions RMP7, RoHS,



Contact data

Number and type of contacts		2 CO
Contact material		AgNi
Rated / max. switching voltage	AC	250 V / 300 V
Min. switching voltage		12 V
Rated load	AC1 DC1	8 A / 250 V AC 8 A / 30 V DC
Min. switching current		10 mA
Max. make current		10 A 20 ms
Rated current		8 A
Max. breaking capacity	AC1	2 000 VA
Min. breaking capacity		1 W
Contact resistance		≤ 100 mΩ
Max. operating frequency	• at rated load AC1 • no load	600 cycles/hour 18 000 cycles/hour

Coil data

Rated voltage	50 Hz AC DC	24 , 110, 230 V 12, 24 , 110 V
Must release voltage		AC: ≥ 0,3 U _n DC: ≥ 0,1 U _n
Operating range of supply voltage		0,8...1,1 U _n see Tables 1, 2
Rated power consumption	AC DC	1,6 VA 0,53 W

Insulation according to EN 60664-1

Insulation rated voltage		250 V AC
Rated surge voltage		2 000 V 1,2 / 50 μs
Overvoltage category		II
Insulation pollution degree		3
Insulation resistance		> 1 000 MΩ 500 V DC
Dielectric strength	• between coil and contacts • contact clearance • pole - pole	2 000 V AC 50/60 Hz, 1 min., type of insulation: basic 1 000 V AC 50/60 Hz, 1 min., type of clearance: micro-disconnection 2 500 V AC 50/60 Hz, 1 min., type of insulation: basic
Contact - coil distance	• clearance • creepage	≥ 8 mm ≥ 8 mm

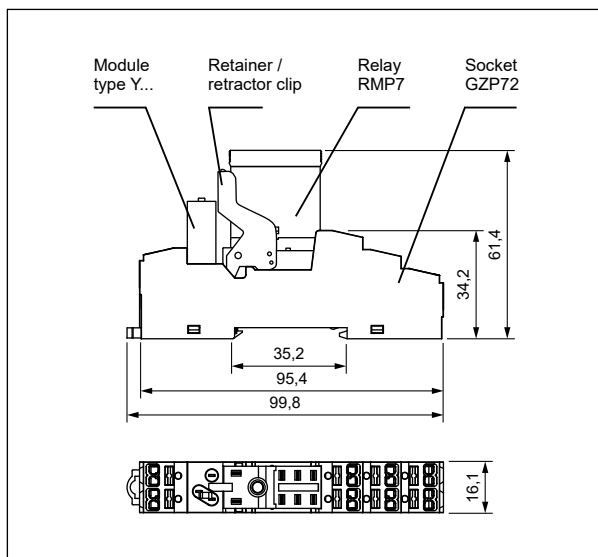
General data

Operating / release time (typical values)		20 ms / 10 ms
Electrical life (number of cycles)		
• resistive AC1		> 10 ⁵ 8 A, 250 V AC
Mechanical life (cycles)		> 10 ⁷
Dimensions (L x W x H)		99,8 x 16,1 x 61,4 mm
Weight		65 g
Ambient temperature	• storage (non-condensation and/or icing)	-40...+70 °C
	• operating	-40...+55 °C
Cover protection category		IP 20 EN 60529
Environmental protection		RMP7: RTII GZP72: RT0 EN 61810-1
Relative humidity		5...85%
Shock resistance		98 m/s ² 6 ms
Vibration resistance		1,0 mm DA (double amplitude) 10...55 Hz

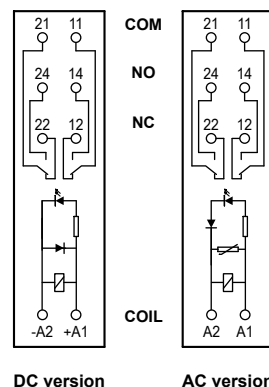
The data in bold type relate to the standard versions of the relays.

PI72P with socket Push-in GZP72 interface relays with Push-in terminals

Dimensions



Connection diagrams (Push-in terminals side view)

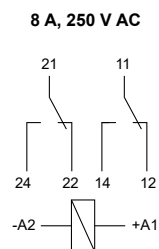


Mounting

Relays **PI72P with socket GZP72** are designed for direct mounting on 35 mm rail mount acc. to EN 60715 or on panel mounting with one M3 screw. **Connections:** max. cross section of the cables: 2 x 1,5 mm² (ferrules without insulation), 2 x 1 mm² (ferrules with insulation), stripping length: 8...10 mm. Description plates should be ordered separately.



Connection of GZP72 socket



Miniature relays RMP7

electromagnetic relays
with faston terminals

NEW



PI72P with socket Push-in GZP72

interface relays with Push-in terminals

Coil data - DC voltage version

Table 1

Coil code	Rated voltage V DC	Coil resistance at 20 °C Ω	Acceptable resistance	Coil operating range V DC	
				min. (at 20 °C)	max. (at 20 °C)
012DC	12	270	± 10%	9,6	13,2
024DC	24	1 100	± 10%	19,2	26,4
110DC	110	22 800	± 10%	88,0	121,0

The data in bold type relate to the standard versions of the relays.

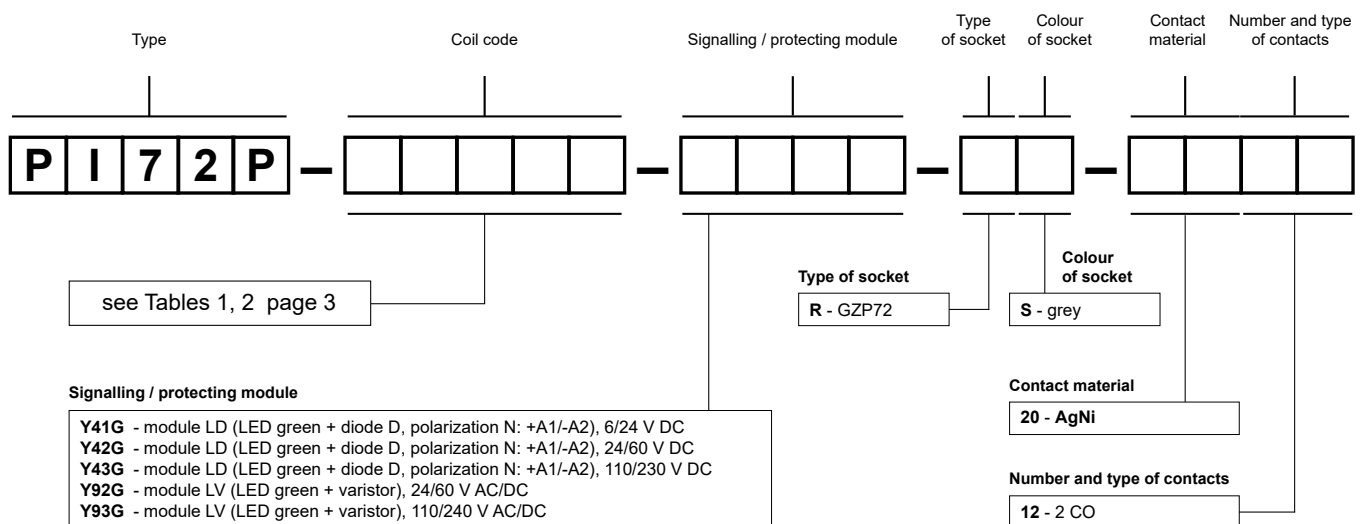
Coil data - AC 50 Hz voltage version

Table 2

Coil code	Rated voltage V AC	Coil resistance at 20 °C Ω	Acceptable resistance	Coil operating range V AC 50 Hz	
				min. (at 20 °C)	max. (at 20 °C)
024AC	24	240	± 10%	19,2	26,4
110AC	110	6 300	± 10%	88,0	121,0
230AC	230	23 000	± 10%	184,0	253,0

The data in bold type relate to the standard versions of the relays.

Ordering codes



Examples of ordering codes:

PI72P-024DC-Y42G-RS-2012

interface relay **PI72P** consists of: relay **RMP7** (two changeover contacts, contact material AgNi, coil voltage 24 V DC), socket **GZP72** (grey, Push-in terminals), signalling / protecting module **Y42G** (version LD), retainer / retractor clip (grey, plastic)

PI72P-230AC-Y93G-RS-2012

interface relay **PI72P** consists of: relay **RMP7** (two changeover contacts, contact material AgNi, coil voltage 230 V AC 50 Hz), socket **GZP72** (grey, Push-in terminals), signalling / protecting module **Y93G** (version LV), retainer / retractor clip (grey, plastic)

PRECAUTIONS:

1. Ensure that the parameters of the product described in its specification provide a safety margin for the appropriate operation of the device or system and never use the product in circumstances which exceed the parameters of the product. 2. Never touch any live parts of the device. 3. Ensure that the product has been connected correctly. An incorrect connection may cause malfunction, excessive heating or risk of fire. 4. In case of any risk of any serious material loss or death or injuries of humans or animals, the devices or systems shall be designed so to equip them with double safety system to guarantee their reliable operation.