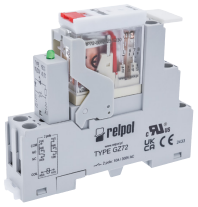
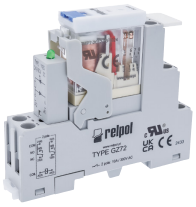
RMP7 (AC) + GZ72



RMP7 (DC) + GZ72



- Interface relay **PI72P with socket GZ72** consists of:
  - electromagnetic relay **RMP7**
  - grey plug-in socket **GZ72**
  - signalling / protecting module type **Y...**
  - retainer / retractor clip (plastic) **GZ7-0040**
  - white description plate **GZ7-0035**
- 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	8 A / 250 V AC	
	DC1	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	600 cycles/hour	
	• no load	18 000 cycles/hour	

Coil data

Rated voltage	50/60 Hz AC	**24**, 110, **230** V	
	DC	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	1,6 VA	
	DC	0,6 W	

Insulation according to EN 60664-1

Insulation rated voltage		250 V AC	
Rated surge voltage		2 500 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	2 000 V AC	50/60 Hz, 1 min., type of insulation: basic
	• contact clearance	1 000 V AC	50/60 Hz, 1 min., type of clearance: micro-disconnection
	• pole - pole	2 000 V AC	50/60 Hz, 1 min., type of insulation: basic
Contact - coil distance	• clearance	RMP7: ≥ 5 mm	GZ72: ≥ 8 mm
	• creepage	RMP7: ≥ 4 mm	GZ72: ≥ 8 mm

General data

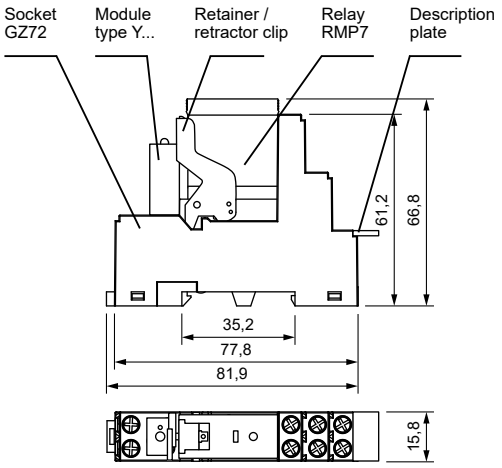
Operating / release time (typical values)		AC: ≤ 10 ms / ≤ 6 ms	DC: ≤ 20 ms / ≤ 10 ms
Electrical life (number of cycles)			
• resistive AC1		> 10^5	8 A, 250 V AC
Mechanical life (cycles)		> 10^7	
Dimensions (L x W x H)		81,9 x 15,8 x 66,8 mm	
Weight		65 g	
Ambient temperature	• storage	-40...+70 °C	
(non-condensation and/or icing)	• operating	-40...+55 °C	
Cover protection category		IP 20	EN 60529
Environmental protection		RTI	EN 61810-1
Relative humidity		5...85%	
Shock resistance		10G 11 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.
*The cULus certification covers the certifications of the interface kit components, i.e. socket and relay.

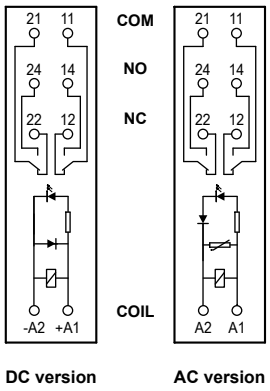
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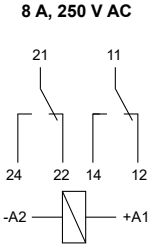
Dimensions



Connection diagrams
(screw terminals side view)



Connection of GZ72 socket



Mounting

Relays **PI72P with socket GZ72** 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 (stranded): 2 x 1,5 mm2 (2 x 16 AWG), 1 x 2,5 mm2 (1 x 14 AWG) , stripping length: 6,5 mm, max. tightening moment for the terminal: 0,4 Nm.

Connecting accessories



ZGGZ80-1 grey
ZGGZ80-2 black

Plug-in sockets **GZ72** may be linked with interconnection strip type **ZGGZ80**.

Strips 8-poles ZGGZ80: unlimited possibilities of connection configurations in sockets GZ71 and GZ72 (bridging of common input signals of 8 sockets - A1, A2), fast, safe and easy bridging of signals on the coil, maximum permissible current is 10 A / 250 V AC.

Miniature relays RMP7

electromagnetic relays
with faston terminals



23.06.2026

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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

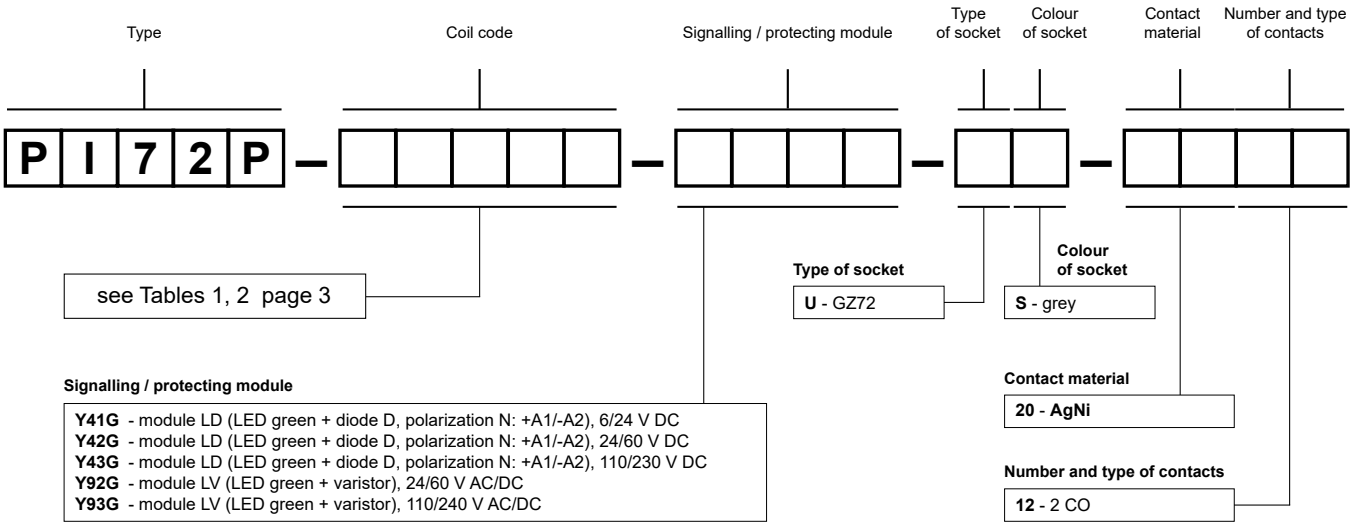
The data in bold type relate to the standard versions of the relays.

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-US-2012 interface relay **PI72P** consists of: relay **RMP7** (two changeover contacts, contact material AgNi, coil voltage 24 V DC), socket **GZ72** (grey, screw terminals), signalling / protecting module **Y42G** (version LD), retainer / retractor clip (grey, plastic), description plate (white)

PI72P-230AC-Y93G-US-2012 interface relay **PI72P** consists of: relay **RMP7** (two changeover contacts, contact material AgNi, coil voltage 230 V AC 50 Hz), socket **GZ72** (grey, screw terminals), signalling / protecting module **Y93G** (version LV), retainer / retractor clip (grey, plastic), description plate (white)

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.