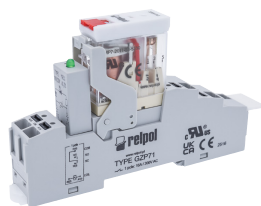
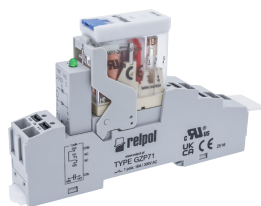


PI71P with socket Push-in GZP71 interface relays with Push-in terminals

RMP7 (AC) + GZP71



RMP7 (DC) + GZP71



- Interface relay **PI71P with socket GZP71** consists of: electro-magnetic relay **RMP7**, grey plug-in socket **GZP71**, 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	1 CO
Contact material	AgNi
Rated / max. switching voltage	AC 250 V / 300 V
Min. switching voltage	12 V
Rated load	AC1 12 A / 250 V AC DC1 12 A / 30 V DC
Min. switching current	10 mA
Max. make current	16 A 20 ms
Rated current	12 A
Max. breaking capacity	AC1 3 000 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

NEW

Coil data

Rated voltage	50 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 0,53 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 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
Contact - coil distance	• clearance ≥ 8 mm • creepage ≥ 8 mm

General data

Operating / release time (typical values)	20 ms / 10 ms
Electrical life (number of cycles)	
• resistive AC1	> 10 ⁵ 12 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	55 g
Ambient temperature	• storage -40...+70 °C • operating -40...+55 °C
Cover protection category	IP 20 EN 60529
Environmental protection	RMP7: RTII GZP71: 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

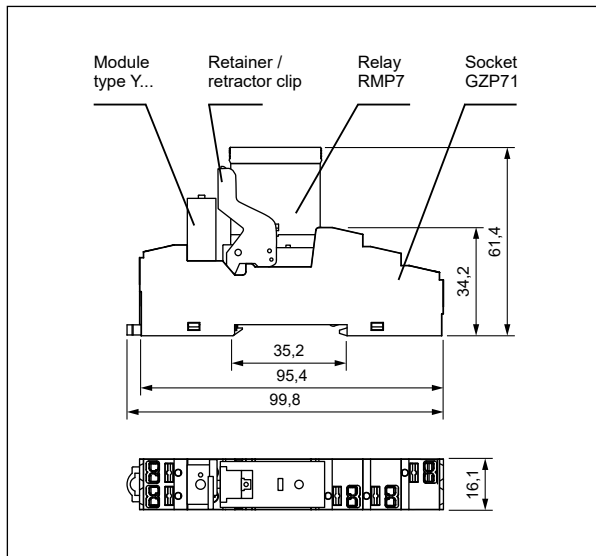
The data in bold type relate to the standard versions of the relays.

*The cULus certification covers the certifications of the interface kit components, i.e. socket and relay.

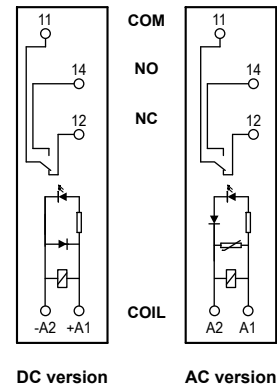
17.07.2025

PI71P with socket Push-in GZP71 interface relays with Push-in terminals

Dimensions



Connection diagrams (Push-in terminals side view)



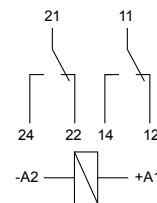
Mounting

Relays **PI71P with socket GZP71** 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 GZP71 socket

12 A, 250 V AC



Miniature relays RMP7

electromagnetic relays
with faston terminals

NEW



PI71P with socket Push-in GZP71

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.

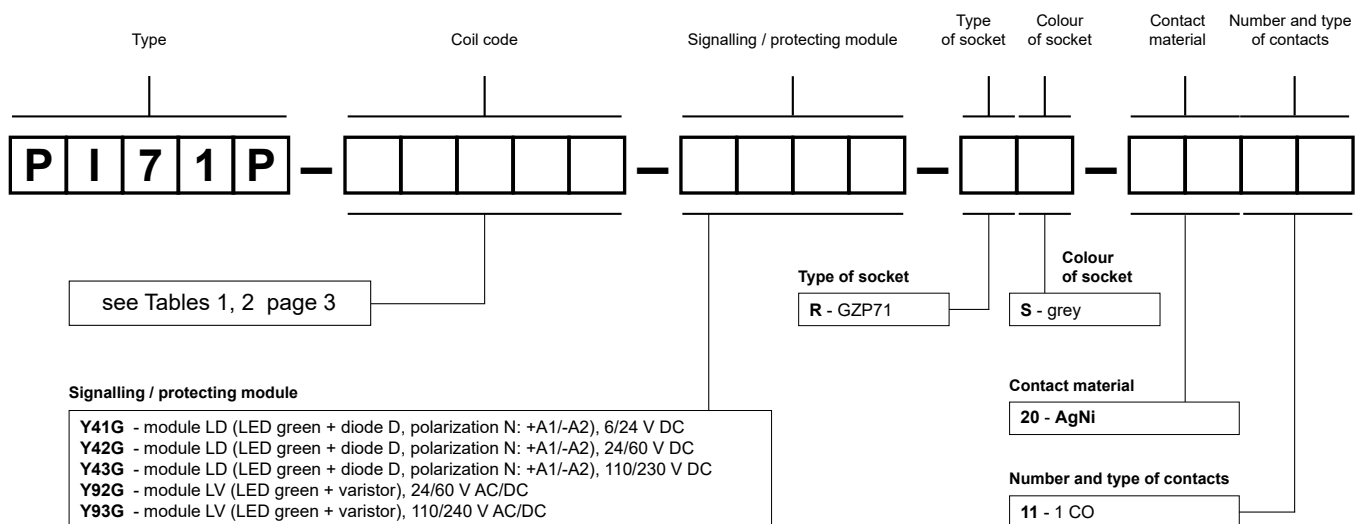
Coil data - AC 50 Hz voltage version

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:

PI71P-024DC-Y42G-RS-2011

interface relay **PI71P** consists of: relay **RMP7** (one changeover contact, contact material AgNi, coil voltage 24 V DC), socket **GZP71** (grey, Push-in terminals), signalling / protecting module **Y42G** (version LD), retainer / retractor clip (grey, plastic)

PI71P-230AC-Y93G-RS-2011

interface relay **PI71P** consists of: relay **RMP7** (one changeover contact, contact material AgNi, coil voltage 230 V AC 50 Hz), socket **GZP71** (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.