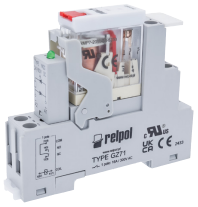
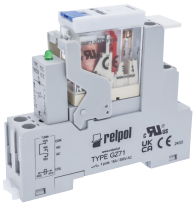
RMP7 (AC) + GZ71



RMP7 (DC) + GZ71



- Interface relay **PI71P with socket GZ71** consists of: electromagnetic relay **RMP7**, grey plug-in socket **GZ71**, 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,

NEW

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	16 A / 250 V AC
	DC1	16 A / 30 V DC
Min. switching current		10 mA
Max. make current		16 A 20 ms
Rated current		16 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

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

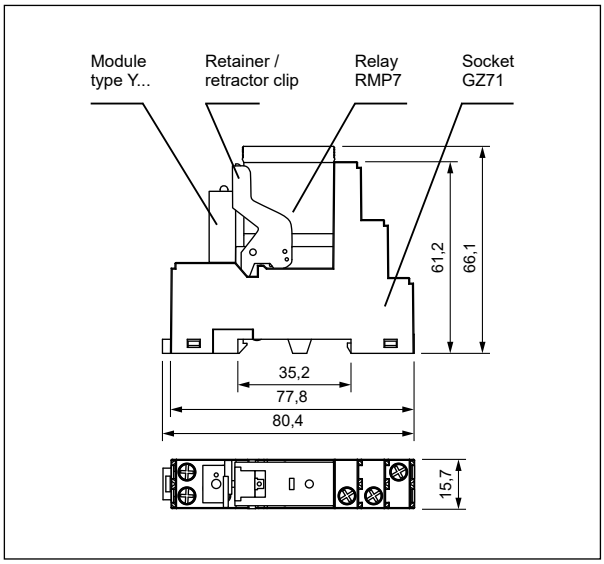
Operating / release time (typical values)		20 ms / 10 ms
Electrical life (number of cycles)		
• resistive AC1		> 10^5 16 A, 250 V AC
Mechanical life (cycles)		> 10^7
Dimensions (L x W x H)		80,4 x 15,7 x 66,1 mm
Weight		58,6 g
Ambient temperature	• storage	-40...+70 °C
(non-condensation and/or icing)	• operating	-40...+55 °C
Cover protection category		IP 20 EN 60529
Environmental protection		RMP7: RTII GZ71: RT0 EN 61810-1
Relative humidity		5...85%
Shock resistance		98 m/s² 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.

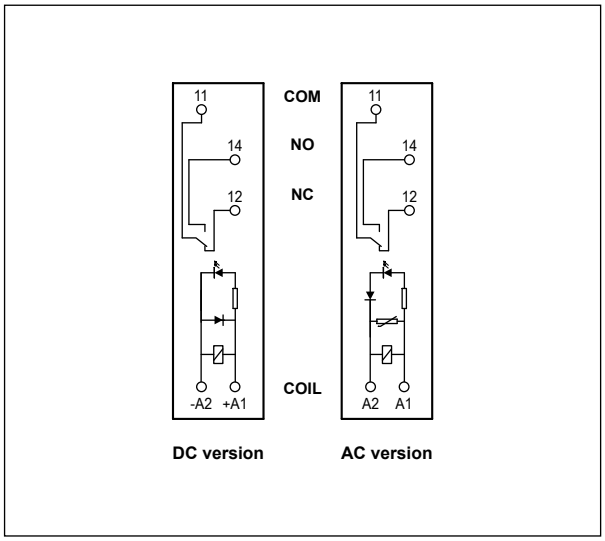
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Dimensions



Connection diagrams
(screw terminals side view)

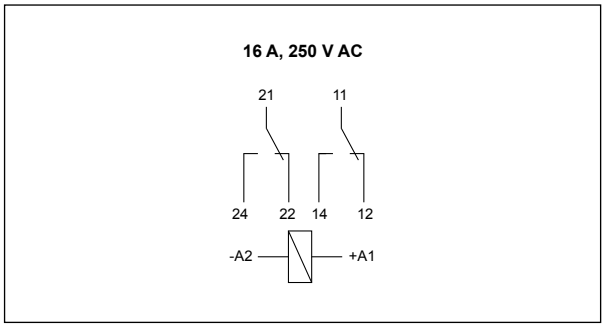


Mounting

Relays **PI71P with socket GZ71** 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 2,5 mm² (2 x 14 AWG), stripping length: 6,5 mm, max. tightening moment for the terminal: 0,7 Nm.
Description plates should be ordered separately.



Connection of GZ71 socket



Miniature relays RMP7

electromagnetic relays
with faston terminals

NEW



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

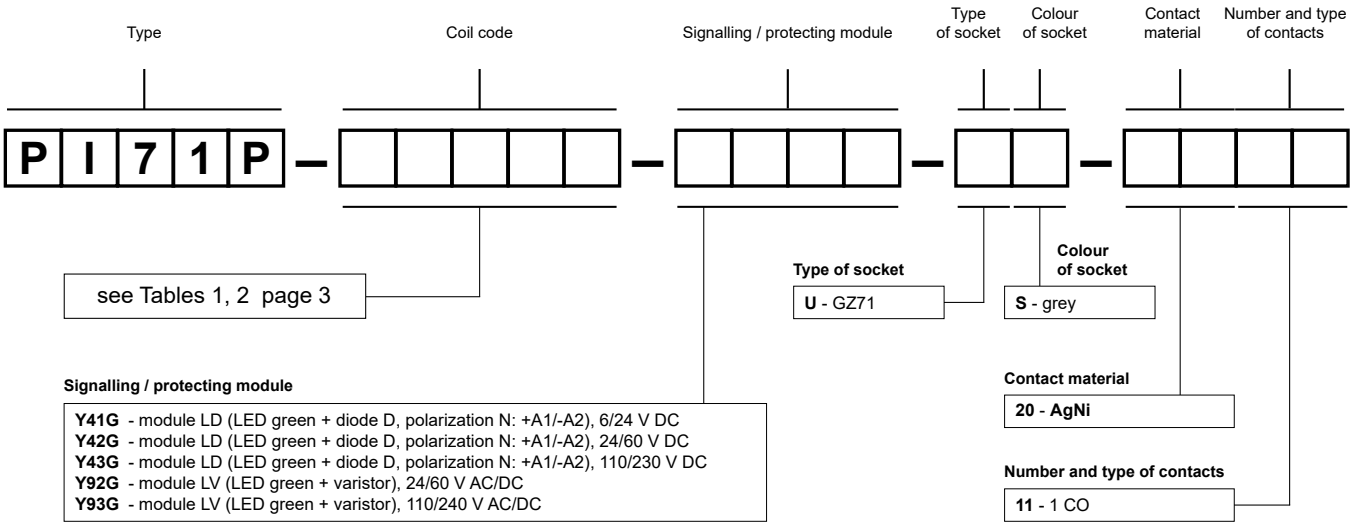
The data in bold type relate to the standard versions of the relays.

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-US-2011 interface relay **PI71P** consists of: relay **RMP7** (one changeover contact, contact material AgNi, coil voltage 24 V DC), socket **GZ71** (grey, screw terminals), signalling / protecting module **Y42G** (version LD), retainer / retractor clip (grey, plastic)

PI71P-230AC-Y93G-US-2011 interface relay **PI71P** consists of: relay **RMP7** (one changeover contact, contact material AgNi, coil voltage 230 V AC 50 Hz), socket **GZ71** (grey, screw 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.