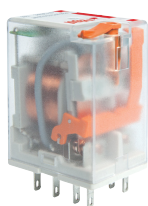


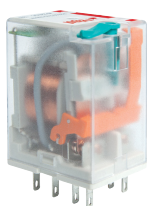
R2N

miniature industrial relays

R2N (AC)



R2N (DC)



12 A / 250 V AC

- General purpose relays, designed for continuous operation*
- For plug-in sockets: on 35 mm rail mount acc. to EN 60715; on panel mounting; with terminals for soldering
- AC and DC coils, insulation class F: 155 °C
- WT (mechanical indicator + lockable front test button)
 - standard equipment of relays. Relays may be provided with the test buttons (no latching) and plugs - page 8
- Recognitions, certifications, directives: RoHS,

Contact data

| | | | | | | | | | | | |
|--------------------------------|--|----------------------------------|-----------------------------|---|--|----------------------|--|----|--|----|--|
| Number and type of contacts | | 2 CO | | CE cULus | | D'E | | CA | | UL | |
| Contact material | | AgNi, AgNi/Au flash gold plating | | | | | | | | | |
| Rated / max. switching voltage | | AC | 250 V / 440 V | | | | | | | | |
| Min. switching voltage | | 10 V | | | | | | | | | |
| Rated load (capacity) | | AC1 | 12 A / 250 V AC | | | | | | | | |
| | | AC15 | 3 A / 120 V | | | 1,5 A / 240 V (B300) | | | | | |
| | | DC1 | 12 A / 24 V DC (see Fig. 3) | | | | | | | | |
| | | DC13 | 0,22 A / 120 V | | | 0,1 A / 250 V (R300) | | | | | |
| Motor load | | acc. to UL 508 | 1/2 HP | 240 V AC, 4,9 FLA, single-phase motor ❶ | | | | | | | |
| | | AC3 acc. to IEC 60947-4-1 | 0,37 kW | 240 V AC, single-phase motor | | | | | | | |
| Min. switching current | | 5 mA | | | | | | | | | |
| Max. make current | | 24 A | | | | | | | | | |
| Rated current | | 12 A | | | | | | | | | |
| Max. breaking capacity | | AC1 | 3 000 VA | | | | | | | | |
| Min. breaking capacity | | 0,3 W | | | | | | | | | |
| Contact resistance | | ≤ 100 mΩ | | | | | | | | | |
| Max. operating frequency | | • at rated load AC1 | 1 200 cycles/hour | | | | | | | | |
| | | • no load | 12 000 cycles/hour | | | | | | | | |

Coil data

| | | |
|-----------------------------------|-------------|--|
| Rated voltage | 50/60 Hz AC | 6, 12, 24 , 42, 48, 60, 80, 110, 115, 120, 127, 220, 230 , 240 V |
| | DC | 5, 6, 12 , 24 , 48, 60, 80, 110, 125, 220 V |
| Must release voltage | | AC: ≥ 0,2 U _n DC: ≥ 0,1 U _n |
| Operating range of supply voltage | | see Tables 1, 2 and Fig. 4, 5 |
| Rated power consumption | AC | 50 Hz: 1,6 VA 60 Hz: 1,3 VA |
| | DC | 0,9 W |

Insulation according to EN 60664-1

| | | |
|-----------------------------|-----------------------------|---|
| Insulation rated voltage | 250 V AC | |
| Rated surge voltage | 4 000 V 1,2 / 50 μs | |
| Overvoltage category | III | |
| Insulation pollution degree | 3 | |
| Dielectric strength | • between coil and contacts | 2 500 V AC type of insulation: basic |
| | • contact clearance | 1 500 V AC type of clearance: micro-disconnection |
| | • pole - pole | 2 500 V AC type of insulation: basic |
| Contact - coil distance | • clearance | ≥ 2,5 mm |
| | • creepage | ≥ 4 mm |

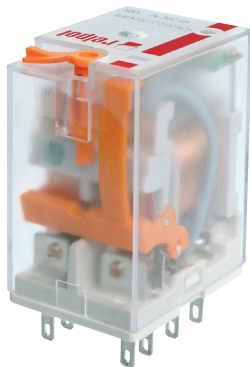
General data

| | | |
|---|-----------------------|---|
| Operating / release time (typical values) | AC: 10 ms / 8 ms | DC: 13 ms / 3 ms |
| Electrical life | • resistive AC1 | > 10 ⁵ 12 A, 250 V AC |
| | • cosφ | see Fig. 2 |
| Mechanical life (cycles) | > 2 x 10 ⁷ | |
| Dimensions (L x W x H) | 27,4 x 21 x 35,5 mm | |
| Weight | 35 g | |
| Ambient temperature | • storage | -40...+85 °C |
| (non-condensation and/or icing) | • operating | coil AC: -40...+55 °C coil DC: -40...+70 °C |
| Cover protection category | IP 40 | EN 60529 |
| Environmental protection | RTI | EN 61810-1 |
| Shock resistance | (NO/NC) | 10 g / 5 g |
| Vibration resistance | 5 g 10...150 Hz | |

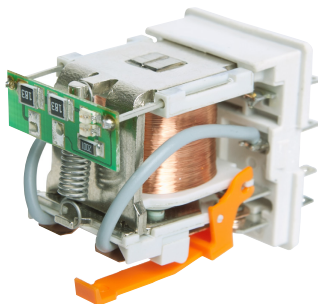
The data in bold type relate to the standard versions of the relays. *The relays are designed for continuous operation while maintaining the parameters declared in the data sheet. ❶ For single phase motors for 110-120 V AC do not use motors with higher FLA than given for 240 V AC.

28.11.2025

Design



Improvement of the functionality of the mechanical indicator (W): it is mounted on an insulation base of the unit of the movable contacts; the changes provide the appropriate position in the window in the upper side of the housing irrespectively of the number of operations performed by the relay.



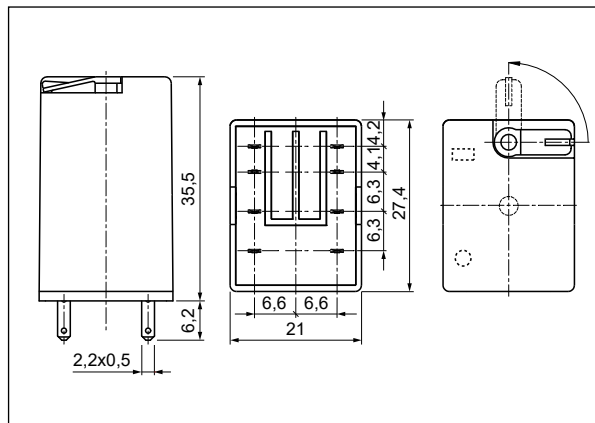
Application of electronics made in the SMD technology: additional equipment L (LED diode) and D (diode) are located on the printed circuit board; the change of the position of the LED diode and optimization of the quality and intensity of its light provide certainty that the relay is in operation status when the LED is on.



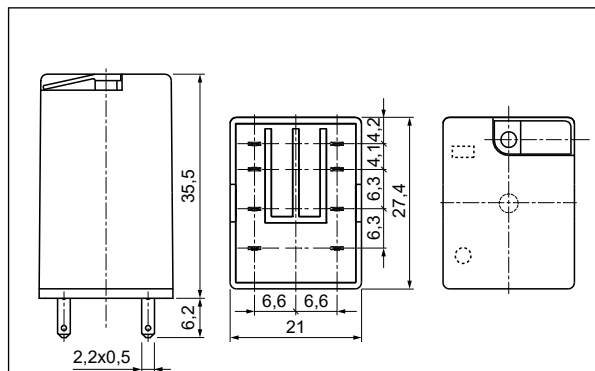
Improvement of the efficiency of the electromagnet: an innovational technology of connecting elements has been introduced, which guarantees more reliable operation of the relay.

Strengthening of the insulation in the area of the contact plate: polyamide PA66 has been applied; it has very good mechanical and electrical parameters and best thermal properties.

Dimensions - plug-in version (WT), with lockable front test button type T

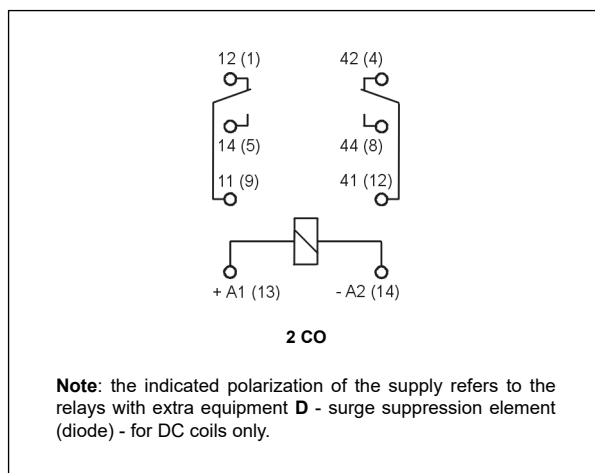


Dimensions - plug-in version, with test button (no latching) or with plug (no manual operation)



Test buttons R4P-0001 and plugs R4W-0003 need to be ordered separately. They substitute buttons type T. To be exchanged by Customer themselves. Information on test buttons (no latching) and plugs - page 8.

Connection diagram (pin side view)



Mounting, sockets and accessories for relays

Relays **R2N** are designed for mounting in plug-in sockets. **With WT equipment as standard (W - mechanical indicator + T - lockable front test button).** In these relays is **possibility self-exchange of button type T for test button R4P-0001 (no latching) or on plug R4W-0003 (no manual operation).** The buttons **R4P-0001** and the plugs **R4W-0003** need to ordered separately.

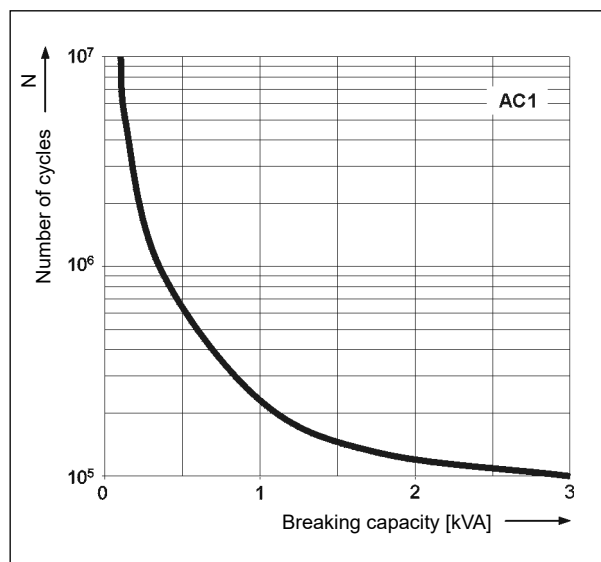
| Sockets for R2N | Accessories | | | Additional equipment |
|---|-------------------------------|----------------------|-----------------------|---------------------------------------|
| | Retainer / retractor clips | Spring wire clips | Description plates | |
| Screw terminals sockets, 35 mm rail mount (acc. to EN 60715) or on panel mounting (two M3 screws) | | | | |
| GZT2 | GZT4-0040, GZP4-0400 | G4 1052 | GZT4-0035 | M... ③, ZGGZ4 ④ |
| GZM2 | GZT4-0040, GZP4-0400 | G4 1052 | GZT4-0035 | M... ③, ZGGZ4 ④ |
| Push-in terminals sockets, 35 mm rail mount (acc. to EN 60715) or on panel mounting (two M3 screws) | | | | |
| GZP4 ② | GZP4-0400, GZT4-0040 | G4 1052 | MP15 | M... ②, ZGZP4-8, ZGZP4-2, ZGZP-2 ④ |
| Sockets for PCB | | | | |
| SU4/2D | — | G4 1053 | — | — |
| G4D/2 | — | G4 1053 | — | — |
| Solder terminals sockets | | | | |
| SU4/2L | — | G4 1053 | — | G4 1040 ⑤ |
| G4/2 | — | G4 1053 | — | — |

② Sockets GZP4: wire connection - see page 10. ③ Signalling / protecting modules type M... - see page 12.

④ Interconnection strips ZGGZ4, ZGZP... - see pages 13-14. ⑤ Spring clamps G4 1040.

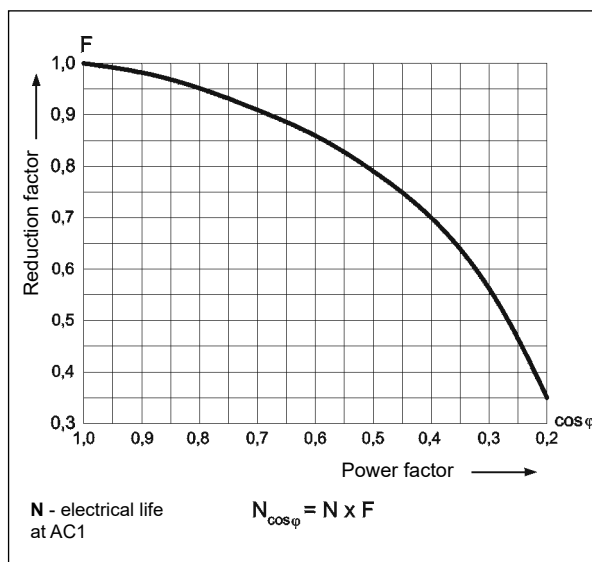
Electrical life at AC resistive load.
Switching frequency: 1 200 cycles/hour

Fig. 1

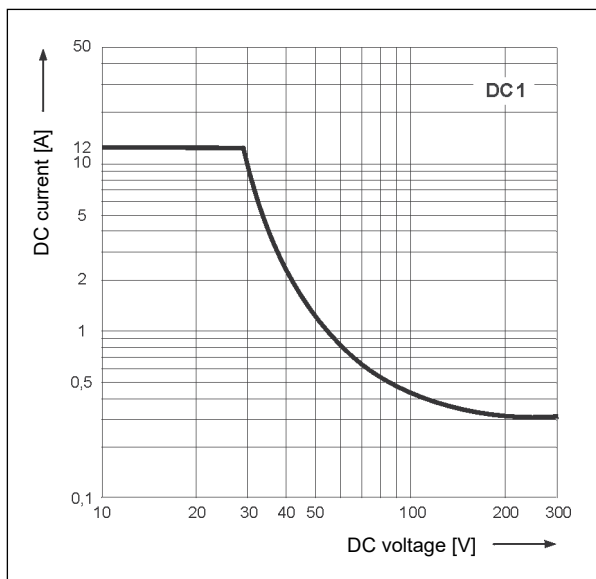


Electrical life reduction factor at AC inductive load

Fig. 2

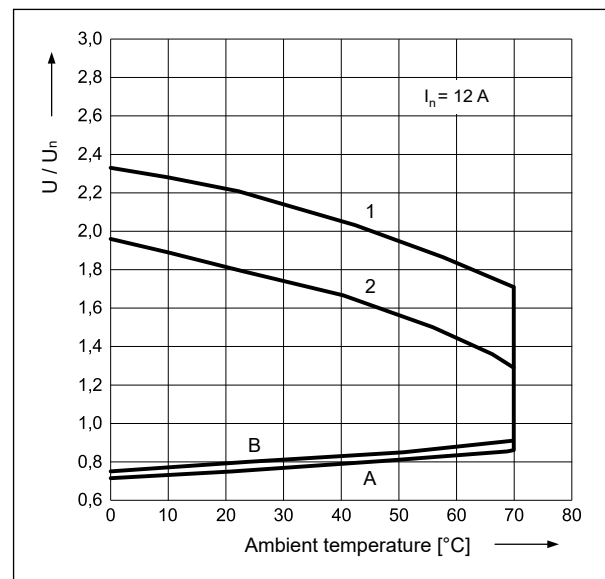


Max. DC resistive load breaking capacity Fig. 3



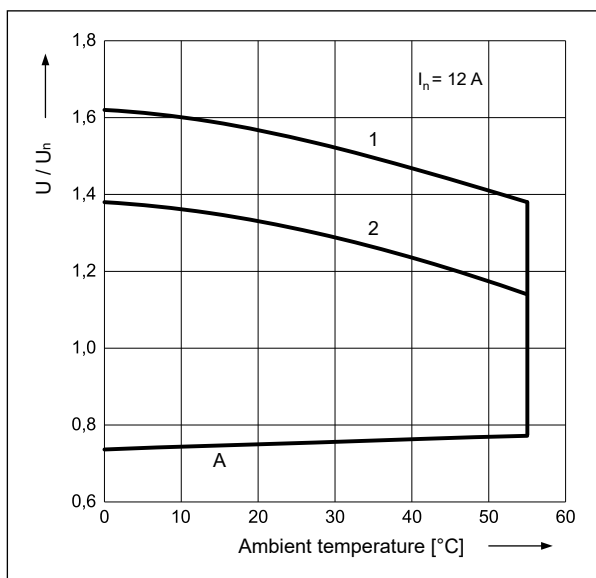
Coil operating range - DC

Fig. 4



Coil operating range - AC 50 Hz

Fig. 5



Description of Fig. 4 and 5

A - relations between make voltage and ambient temperature at no load on contacts. Coil temperature and ambient temperature are equal before coil energizing. Make voltage is not higher than the value read on Y axis (multiplication of rated voltage).

B - relations between make voltage and ambient temperature after initial coil heating up with $1,1 U_n$ at continues load of I_n on contacts. Make voltage is not higher than the value read on Y axis (multiplication of rated voltage).

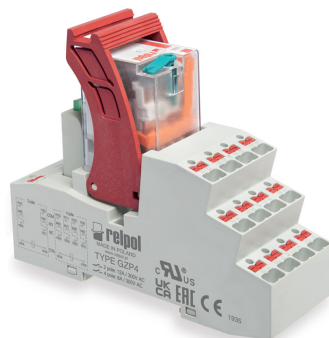
1, 2 - values on Y axis represent allowed overvoltage on coil at certain ambient temperature and contact load:

1 - no load

2 - rated load

GZP4

Push-in terminals
plug-in sockets
for R2N, R4N
- see page 10



Contact material selection for different load types

- **AgNi** - for resistive or inductive loads,
- **AgNi/Au flash gold plating** - Au protects the contact surface during storage.

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 70 °C) |
| 1005 | 5 | 28 | $\pm 10\%$ | 4,0 | 5,5 |
| 1006 | 6 | 40 | $\pm 10\%$ | 4,8 | 6,6 |
| 1012 | 12 | 160 | $\pm 10\%$ | 9,6 | 13,2 |
| 1024 | 24 | 640 | $\pm 10\%$ | 19,2 | 26,4 |
| 1048 | 48 | 2 600 | $\pm 10\%$ | 38,4 | 52,8 |
| 1060 | 60 | 4 000 | $\pm 10\%$ | 48,0 | 66,0 |
| 1080 | 80 | 7 100 | $\pm 10\%$ | 64,0 | 88,0 |
| 1110 | 110 | 13 600 | $\pm 10\%$ | 88,0 | 121,0 |
| 1125 | 125 | 16 000 | $\pm 10\%$ | 100,0 | 137,5 |
| 1220 | 220 | 54 000 | $\pm 10\%$ | 176,0 | 242,0 |

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

Coil data - AC 50/60 Hz voltage version

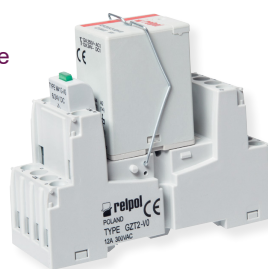
Table 2

| Coil code | Rated voltage V AC | Coil resistance at 20 °C Ω | Acceptable resistance | Coil operating range V AC | |
|-------------|-----------------------|---|------------------------------|------------------------------|-----------------|
| | | | | min. (at 20 °C) | max. (at 55 °C) |
| 5006 | 6 | 9,8 | $\pm 10\%$ | 4,8 | 6,6 |
| 5012 | 12 | 39,5 | $\pm 10\%$ | 9,6 | 13,2 |
| 5024 | 24 | 158 | $\pm 10\%$ | 19,2 | 26,4 |
| 5042 | 42 | 470 | $\pm 10\%$ | 33,6 | 46,2 |
| 5048 | 48 | 640 | $\pm 10\%$ | 38,4 | 52,8 |
| 5060 | 60 | 930 | $\pm 10\%$ | 48,0 | 66,0 |
| 5080 | 80 | 1 720 | $\pm 10\%$ | 64,0 | 88,0 |
| 5110 | 110 | 3 450 | $\pm 10\%$ | 88,0 | 121,0 |
| 5115 | 115 | 3 610 | $\pm 10\%$ | 92,0 | 127,0 |
| 5120 | 120 | 3 770 | $\pm 10\%$ | 96,0 | 132,0 |
| 5127 | 127 | 4 000 | $\pm 10\%$ | 101,6 | 139,0 |
| 5220 | 220 | 15 400 | $\pm 10\%$ | 176,0 | 242,0 |
| 5230 | 230 | 16 100 | $\pm 10\%$ | 184,0 | 253,0 |
| 5240 | 240 | 16 800 | $\pm 10\%$ | 192,0 | 264,0 |

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

Relays for railroad industry

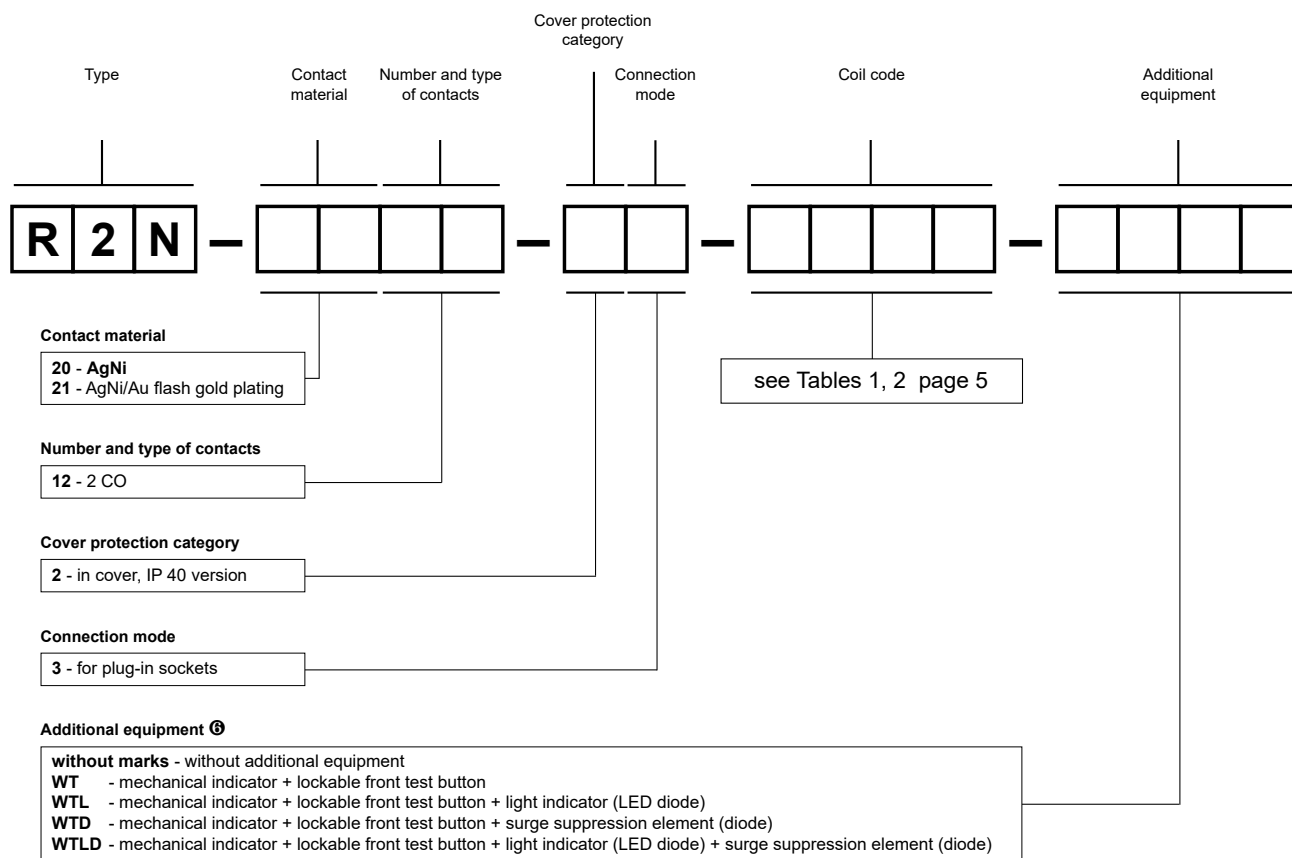
PIR2T
- interface



R2T
- industrial



Ordering codes



⑥ **T** - orange colour (AC coils), green (DC coils). **WT** - standard equipment of relays. **WTD, WTLD** - available only in relays with DC coils.

Test buttons (no latching) and plugs need to be ordered separately. They substitute buttons type T. To be exchanged by Customer themselves.

Information on test buttons (no latching) and plugs - page 8.

- Button R4P-0001-A - orange colour (AC coils)
- Button R4P-0001-D - green colour (DC coils)
- Plug R4W-0003-A - orange colour (AC coils)
- Plug R4W-0003-D - green colour (DC coils)

Note:

While the relay operates, the test button of the **T** type becomes heated. In order to push the test button manually, you should first turn the supply voltage off, and wait some time until the button becomes colder (or push the button immediately using a protective glove or an insulated tool). The button shall be pushed smoothly and quickly. The normally open contacts are closed with the button for the time during which the button is pushed. Releasing the button opens the normally open contacts. Normally open contacts may be closed with the blocking function of the button (it shall be turned by 90°). When the button is turned back, the normally open contacts are opened.

For relays with additional equipment **D** - surge suppression element (diode) (versions WTD and WTLD) - fixed supply polarization compulsory for the DC load of coils: +A1(13) / -A2(14). The polarization is indicated on the relay cover. For other versions of the relays with DC coils any polarization is possible.

Example of ordering codes:

R2N-2012-23-1024-WT

relay **R2N**, for plug-in sockets, two changeover contacts, contact material AgNi, coil voltage 24 V DC, with mechanical indicator and lockable front test button, in cover IP 40

Additional equipment for industrial relays

Industrial relays for plug-in sockets: R2N, R3N, R4N, R15 - 2 CO ②, R15 - 3 CO ② **with WT equipment as standard** (**W** - mechanical indicator + **T** - lockable front test button). **Detailed information** on additional equipment of individual relays can be found in the data sheets on the side of "Ordering codes".

Note:

While the relay operates, the test button of the **T** type becomes heated. In order to push the test button manually, you should first turn the supply voltage off, and wait some time until the button becomes colder (or push the button immediately using a protective glove or an insulated tool). The button shall be pushed smoothly and quickly. The normally open contacts are closed with the button for the time during which the button is pushed. Releasing the button opens the normally open contacts. Normally open contacts may be closed with the blocking function of the button (it shall be turned by 90°). When the button is turned back, the normally open contacts are opened.

| Type ① | Description | For industrial relays |
|----------|--|--|
| W | mechanical indicator | R2N, R3N, R4N, (R15 - 2 CO, 3 CO ②) |
| T | lockable front test button, orange (AC coils), green (DC coils) | R2N, R3N, R4N, (R15 - 2 CO, 3 CO ②) |
| L | light indicator (LED diode), located inside the relay | R2N, R3N, R4N, (R15 - 2 CO, 3 CO, 4 CO ②) RUC, RUC-M |
| D | surge suppression element (diode) - only for DC coils | R2N, R3N, R4N, (R15 - 2 CO, 3 CO, 4 CO ②) |
| V | surge suppression element (varistor) - only for AC coils | (R15 - 2 CO, 3 CO ②) |
| K | test button without block function, orange (AC coils), green (DC coils) | (R15 - 4 CO ②), RUC |

① Available combinations:

WT, WTL, WTD, WTL D - in relays R2N, R3N, R4N for plug-in sockets

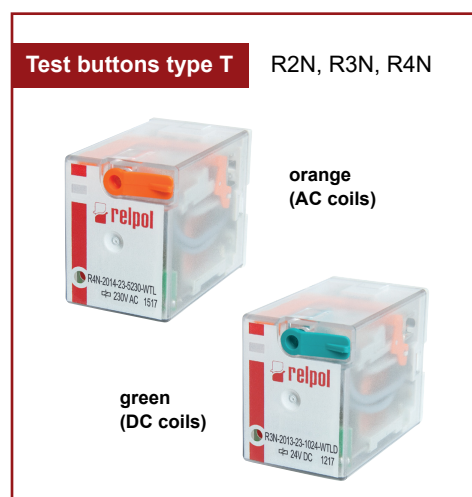
WT, WTL, WTD, WTL D, WTV, WTL V - in relays R15 - 2 CO, 3 CO for plug-in sockets

K, L, D, KL, KD, LD, KLD - in relays R15 - 4 CO for plug-in sockets

K, L, KL - in relays RUC

L - in relays RUC-M

② Voltage versions, in covers



Test buttons (no latching) and plugs

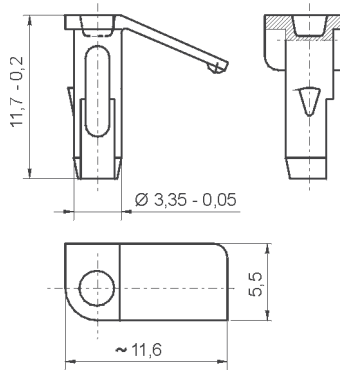
Test buttons (no latching) are recommended for R2N...WT, R3N...WT, R4N...WT, R15...WT 2 CO, R15...WT 3 CO relays - **for applications that do not allow permanent contact latching**. By manual operation (pressing the button) relay contacts can get switched for as long time as long the button is pressed. Contacts return to initial position as soon as pressure is released from the button. Those operations can be done while the coil is deenergized ⚡.

Button **R4P-0001** or **R15-M404** can be easily inserted by the Customer after removal of button type **T** (see Fig. 2). Button type **T** can be removed with screwdriver as shown on Fig. 1.

⚡ While the relay operates, the test button becomes heated. In order to push the test button manually, you should first turn the supply voltage off, and wait some time until the button becomes colder (or push the button immediately using a protective glove or an insulated tool). The button shall be pushed smoothly and quickly.



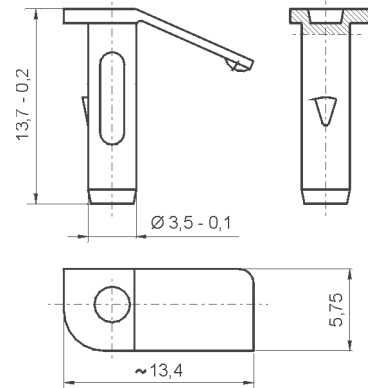
Dimensions - test button R4P-0001 for R2N...WT, R3N...WT, R4N...WT



Types of buttons:

R4P-0001-A - orange colour (AC coils)
R4P-0001-D - green colour (DC coils)

Dimensions - test button R15-M404 for R15...WT 2 CO, R15...WT 3 CO

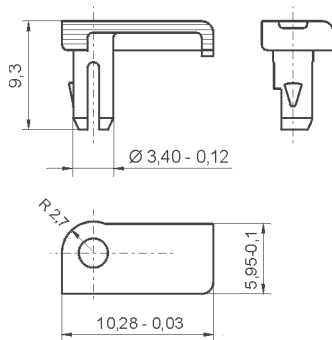


Types of buttons:

R15-M404-A - orange colour (AC coils)
R15-M404-D - green colour (DC coils)

Plugs R4W-0003 or R15-M203 can substitute button type **T** if **manual operation (latching and testing) is not allowed**. Changing button type **T** for plug can be done by Customer themselves in the same way as changing button type **T** for button (no latching).

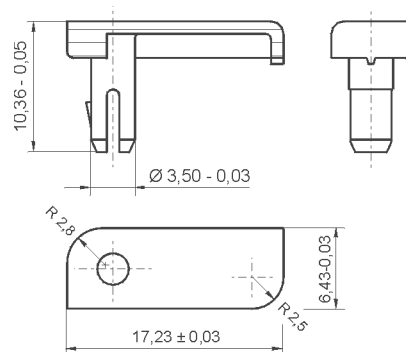
Dimensions - plug R4W-0003 for R2N...WT, R3N...WT, R4N...WT



Types of plugs:

R4W-0003-A - orange colour (AC coils)
R4W-0003-D - green colour (DC coils)

Dimensions - plug R15-M203 for R15...WT 2 CO, R15...WT 3 CO



Types of plugs:

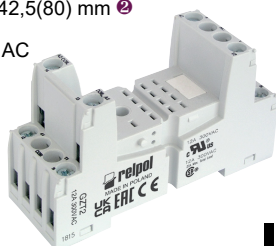
R15-M203-A - orange colour (AC coils)
R15-M203-D - green colour (DC coils)

Sockets and accessories

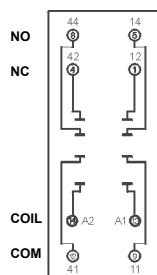
GZT2

For R2N

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
76,3 x 27 x 42,5(80) mm ②
Two poles
12 A, 300 V AC

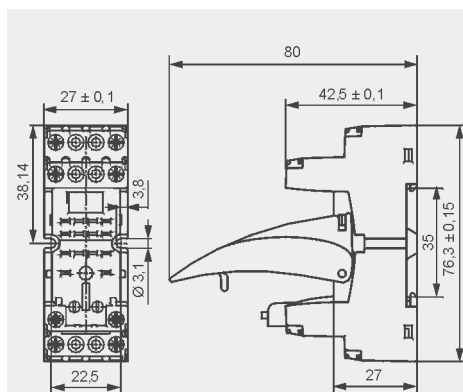


Connection diagram [Installation instruction](#)



Module type M...

Dimensions

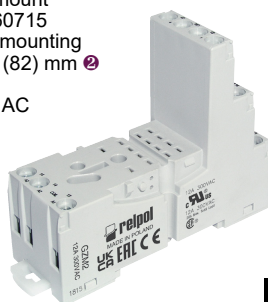


Accessories ①

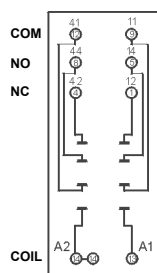
GZM2

For R2N

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
75 x 27 x 61(82) mm ②
Two poles
12 A, 300 V AC

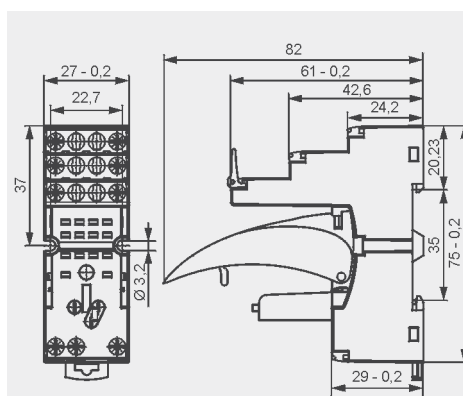


Connection diagram



Module type M...

Dimensions



Accessories ①

① Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 12.

② In the bracket the height of socket with retainer / retractor clip is shown.

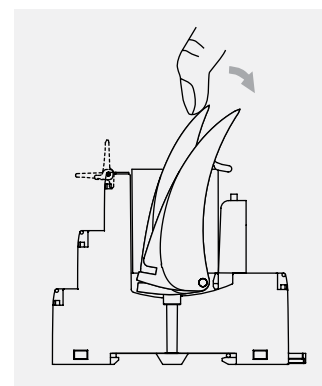
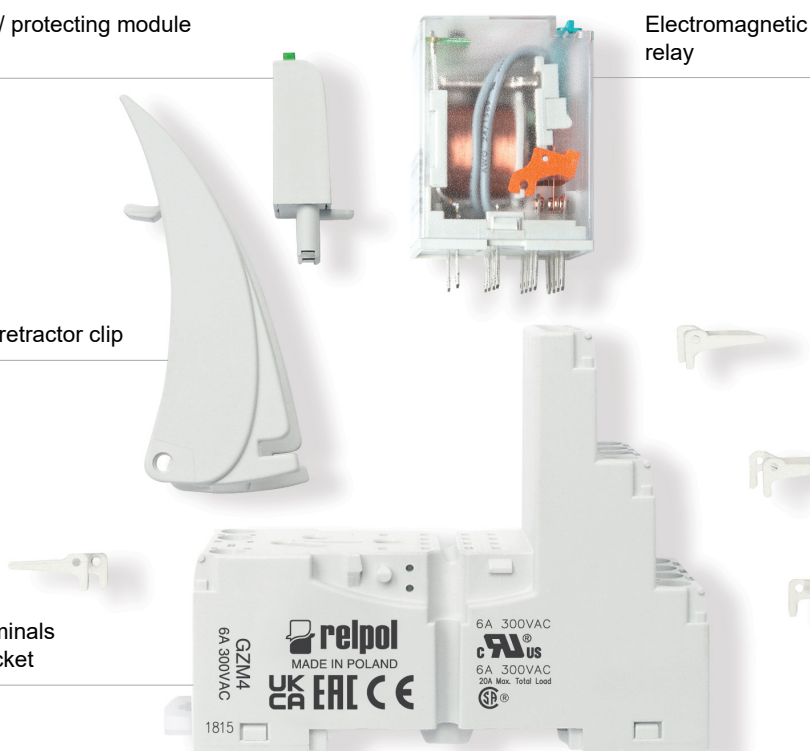
Mounting and sub-assemblies of the relay and accessories in the socket

Signalling / protecting module
type M...

Electromagnetic
relay

Retainer / retractor clip

Screw terminals
plug-in socket



Removing the relay from the socket
with a retractor / retractor clip

Description plate

Sockets and accessories

GZP4

For R4N, R2N

Push-in terminals

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

35 mm rail mount

acc. to EN 60715

or on panel mounting

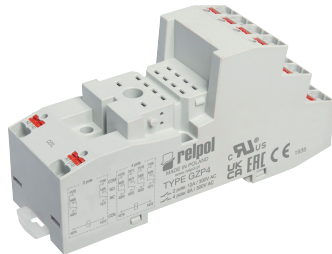
97 x 31 x 45,9(75,8) mm ^②

Two poles

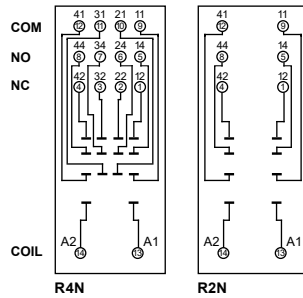
12 A, 300 V AC

Four poles

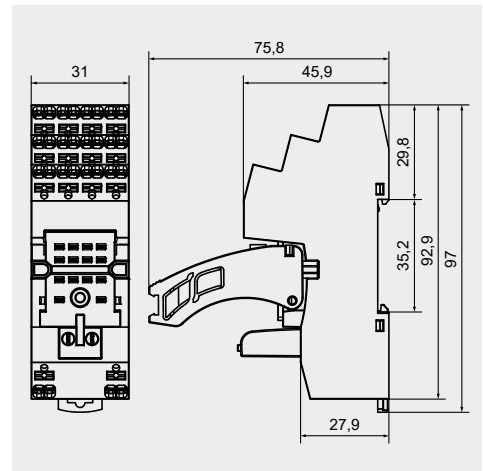
8 A, 300 V AC



Connection diagrams



Dimensions



GZP4-0400



GZT4-0040



G4 1052



MP15



ZGZP4-8



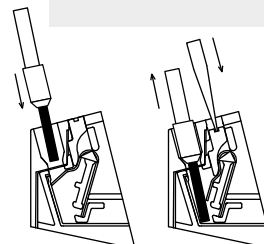
ZGZP4-2



ZGZP-2



Module type M...



The drawings present inserting wire into the Push-in terminal and removing wire using the button releasing a clamp (assembly without tools).

Accessories ^①

Wire connection

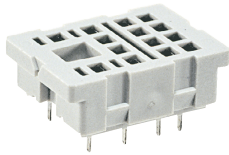
- ^① Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 12.
- ^② In the bracket the height of socket with retainer / retractor clip is shown.

Sockets and accessories

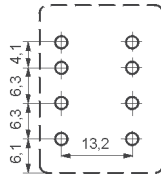
SU4/2D

For R2N

For PCB
29,6 x 21,5 x 11 mm
Two poles
12 A, 250 V AC



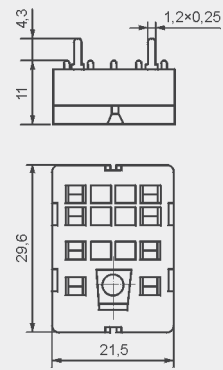
Pinout



Accessories

G4 1053

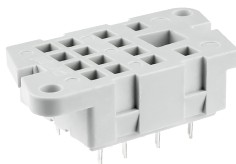
Dimensions



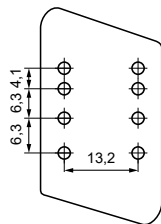
G4D/2

For R2N

For PCB
40,5 x 21,5 x 11 mm
Two poles
12 A, 250 V AC



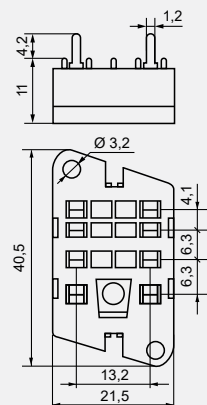
Pinout



Accessories

G4 1053

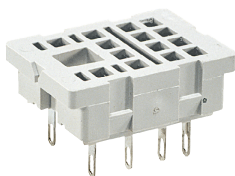
Dimensions



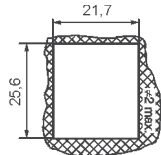
SU4/2L

For R2N

Solder terminals
29,6 x 21,5 x 18,1 mm
Two poles
12 A, 250 V AC



Dimensions of opening on panel mounting

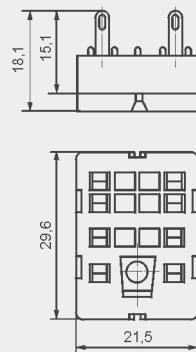


Accessories

G4 1053

G4 1040

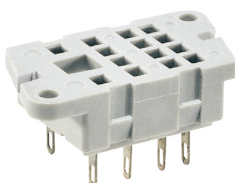
Dimensions



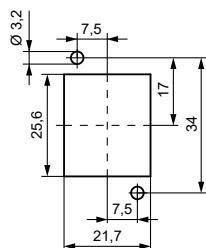
G4/2

For R2N

Solder terminals
40,5 x 21,5 x 18,1 mm
Two poles
12 A, 250 V AC



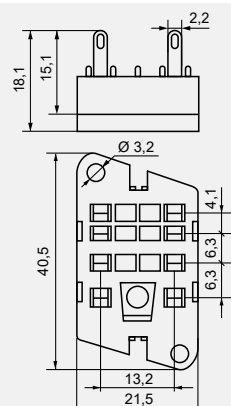
Pinout of openings on panel mounting



Accessories

G4 1053

Dimensions



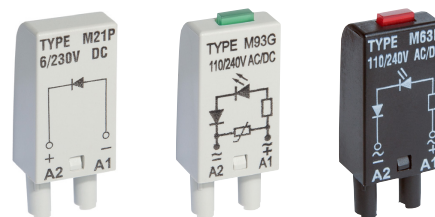
Signalling / protecting modules type M...

For sockets type:

GZT80, GZM80, GZS80, GZP80, GZT92, GZM92, GZS92, ES 32, GZT2, GZM2, GZT3, GZM3, GZT4, GZM4, GZP4

Modules type M... are parallelly connected with relay coil.

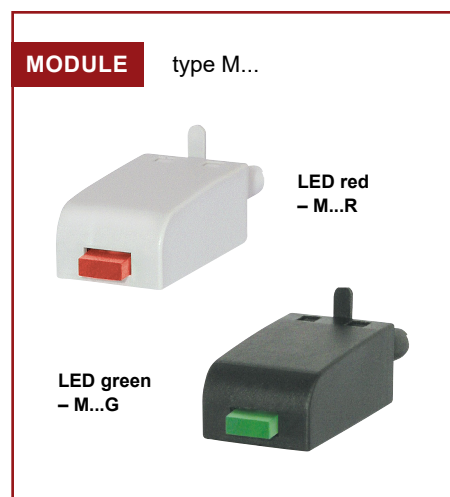
Polarization P: -A1/+A2. Polarization N: +A1/-A2.



| Modules type M... | Layout | Voltage | Type of module ① ② |
|---|--------|--|--|
| Module D (polarization P) It limits overvoltage on DC coils. | | 6/230 V DC | M21P |
| Module D (polarization N) It limits overvoltage on DC coils. | | 6/230 V DC | M21N |
| Module LD (polarization P) It limits overvoltage on DC coils. Coil energizing indication. | | 6/24 V DC 24/60 V DC 110/230 V DC | M31R, M31G M32R, M32G M33R, M33G |
| Module LD (polarization N) It limits overvoltage on DC coils. Coil energizing indication. | | 6/24 V DC 24/60 V DC 110/230 V DC | M41R, M41G M42R, M42G M43R, M43G |
| Module RC It protects against EMC disturbance. It limits overvoltage. | | 6/24 V AC/DC 24/60 V AC/DC 110/240 V AC/DC | M51 M52 M53 |
| Module L Coil energizing indication. | | 6/24 V AC/DC 24/60 V AC/DC 110/240 V AC/DC | M61R, M61G M62R, M62G M63R, M63G |
| Module LV It limits overvoltage on AC and DC coils. Coil energizing indication. | | 6/24 V AC/DC 24/60 V AC/DC 110/240 V AC/DC | M91R, M91G M92R, M92G M93R, M93G |
| Module V It limits overvoltage on AC coils. No indication. | | 6/24 V AC 110/130 V AC 220/240 V AC | M71 M72 M73 |
| Module R It limits harmful voltage on AC coils induced in long lines which causes unwanted making of the relay. | | 110/240 V AC | M103 |

① M...R - LED red, M...G - LED green

② When ordering modules indicate their color: gray or black.



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.

Interconnection strips ZGGZ4



PIR2-...-00L.
(R2N + GZM2)

ZGGZ4

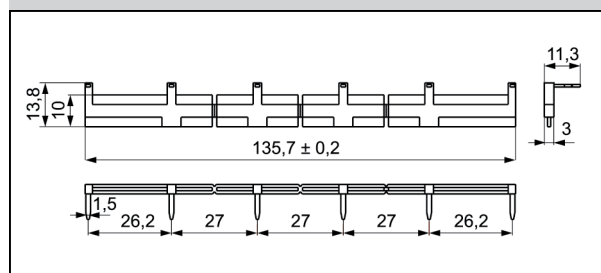
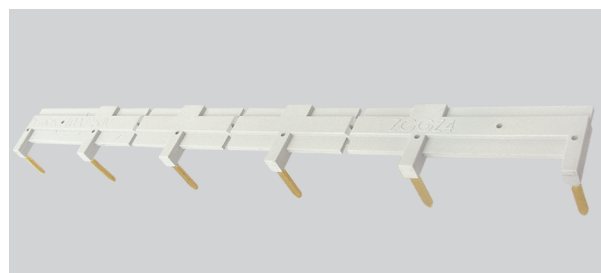
■ ZGGZ4 for:

| Plug-in sockets | Relays for plug-in sockets | Interface relays ③ |
|-----------------|----------------------------|----------------------------|
| GZM2 | R2N | PIR2-...-00L. (R2N + GZM2) |
| GZT2 | | |
| GZM3 | R3N | PIR3-...-00L. (R3N + GZM3) |
| GZT3 | | |
| GZM4 | R4N | PIR4-...-00L. (R4N + GZM4) |
| GZT4 | | |

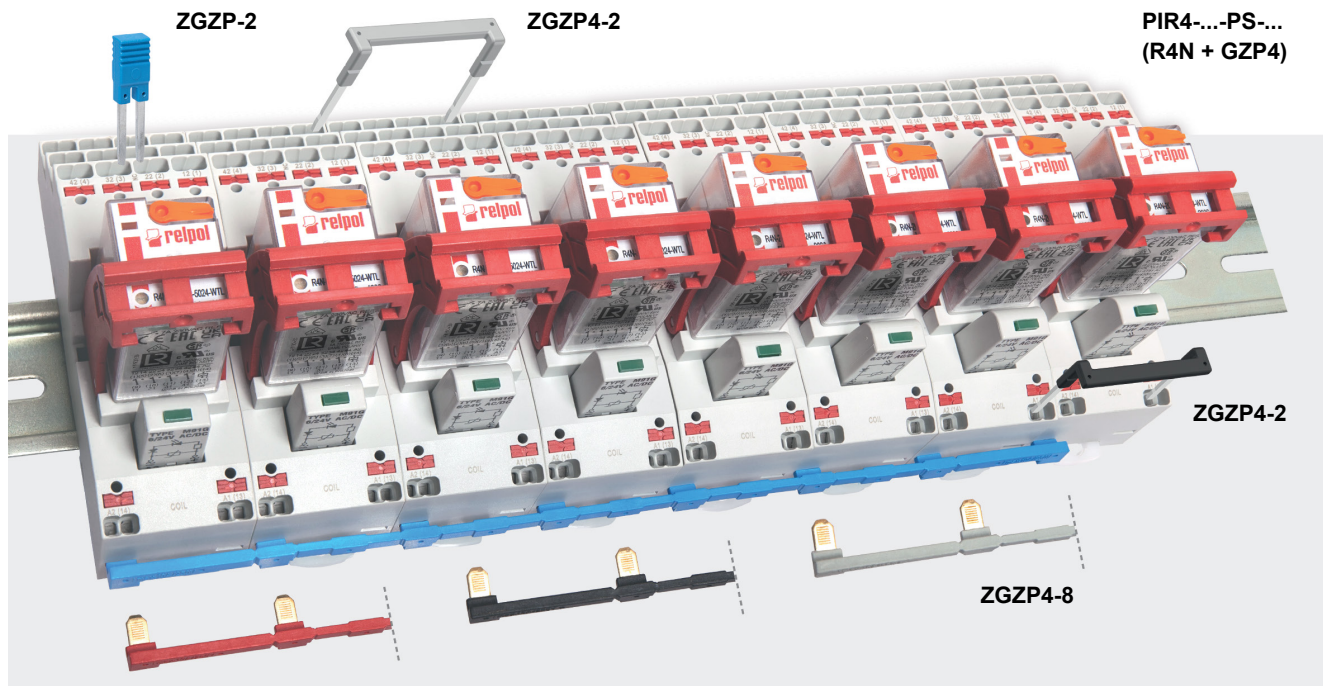
③ Interface relay **PIR2 (PIR3, PIR4)** is offered as a **set**: electromagnetic relay **R2N (R3N, R4N)** + plug-in socket **GZM2 (GZM3, GZM4)** + signalling / protecting module type **M...** + retainer / retractor clip **GZT4-0040** + description plate **GZT4-0035**.

■ Interconnection strip ZGGZ4

- designed for the co-operation with plug-in sockets of miniature industrial relays and with interface relays PIR2, PIR3 and PIR4, which are equipped with screw terminals; sockets and relays are mounted on 35 mm rail mount acc. to EN 60715,
- bridges common input signals (coil terminals A1 or A2) or output signals - see photo at the top,
- maximum permissible current is 10 A / 250 V AC,
- possibility of connection of 6 sockets or relays,
- colours of strips: **ZGGZ4-1** grey, **ZGGZ4-2** black.



Interconnection strips ZGZP... for sockets GZP4



■ ZGZP... for:

| Plug-in sockets | Relays for plug-in sockets | Interface relays ④ |
|-----------------|----------------------------|------------------------------|
| GZP4 | R2N | PIR2-...-PS-... (R2N + GZP4) |
| | R4N | PIR4-...-PS-... (R4N + GZP4) |

④ Interface relay **PIR2 (PIR4)** is offered as a **set**: electromagnetic relay **R2N (R4N)** + plug-in socket **GZP4** + signalling / protecting module type **M...** + retainer / retractor clip **GZP4-0400**.

■ Interconnection strips ZGZP...

- designed for the co-operation with plug-in sockets of miniature industrial relays and with interface relays PIR2 and PIR4, which are equipped with screw terminals; sockets and relays are mounted on 35 mm rail mount acc. to EN 60715,
- strip **ZGZP4-8** bridges common input signals (coil terminals A1 or A2), maximum permissible current is 10 A / 250 V AC, possibility of connection of 8 sockets or relays,



- strip **ZGZP4-2** bridges common input signals (coil terminals A1 or A2) or output signals, possibility of connection of 2+n sockets or relays,



- jumper **ZGZP-2** bridges the neighboring poles of single socket **GZP4**.

