

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

Retainer / retractor clip

Signalling / protecting module type M...

Electromagnetic relay

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

Screw terminals plug-in socket

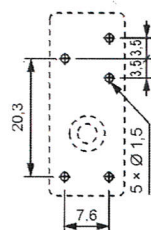
Description plate

EC 35

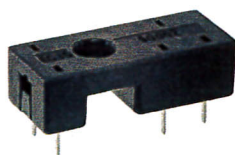
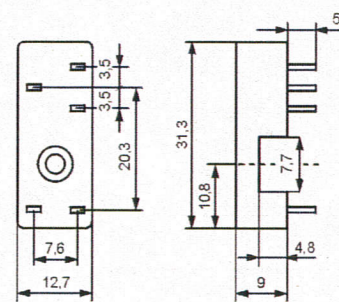
For RM87N, RM87N sensitive

For PCB
31,3 x 12,7 x 9 mm
One pole, 3,5 mm pinout
12 A, 300 V AC

Pinout



Dimensions



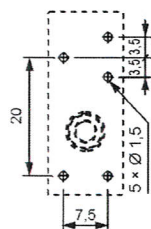
Accessories

GD35

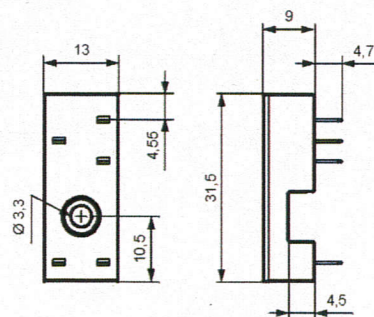
For RM87N, RM87N sensitive

For PCB
31,5 x 13 x 9 mm
One pole, 3,5 mm pinout
12 A, 300 V AC

Pinout



Dimensions



Accessories

Plug-in sockets and accessories

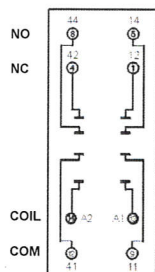
GZT2

For R2N

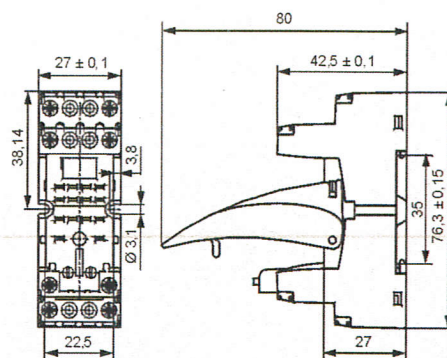
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
76,3 x 27 x 42,5(80) mm ②
Two poles
12 A, 300 V AC



Connection diagram



Dimensions



Accessories ①

GZT4-0035 Module type M...

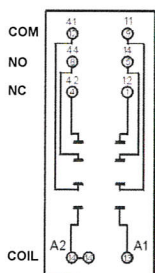
GZM2

For R2N

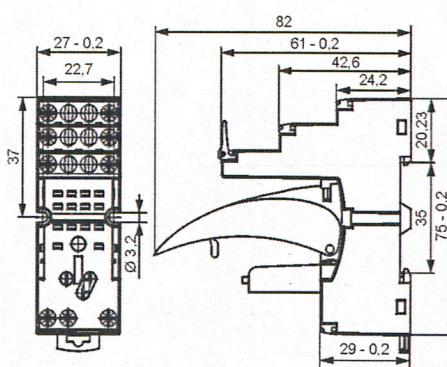
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
75 x 27 x 61(82) mm ②
Two poles
12 A, 300 V AC



Connection diagram



Dimensions



Accessories ①

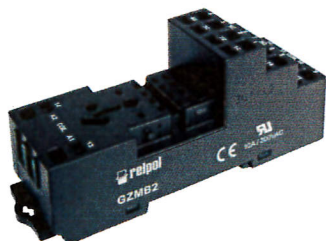
GZT4-0035 Module type M...

GZMB2

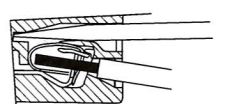
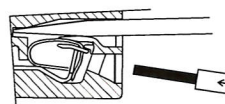
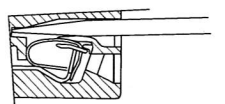
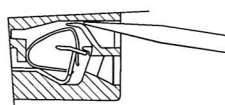
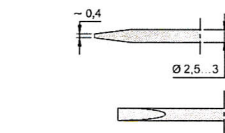
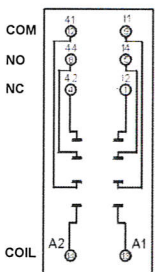
For R2N

Spring terminals
Max. cross section
of the cables:
1 x 0,2...1,5 mm²
(1 x 24...16 AWG)
Stripping length: 9...11 mm

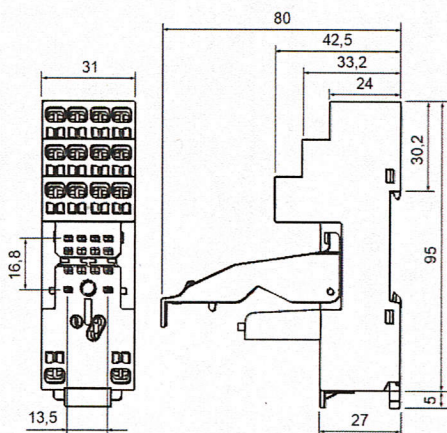
35 mm rail mount
acc. to EN 60715
95 x 31 x 42,5(80) mm ②
Two poles
10 A, 300 V AC



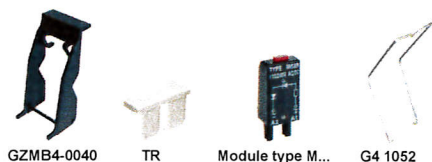
Connection diagram



Dimensions

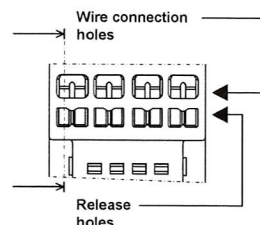


The drawings present the sequence of operations in course of inserting wires to the spring terminal, and the recommended screwdriver to be used for opening of case springs, comply with the DIN 5264 FORM "A".



Accessories ①

Wire connection



① Mounting and sub-assemblies of accessories in the socket - see page 7. Signalling / protecting modules type M... - see page 9.
② In the bracket the height of socket with retainer / retractor clip is shown.

Plug-in sockets and accessories

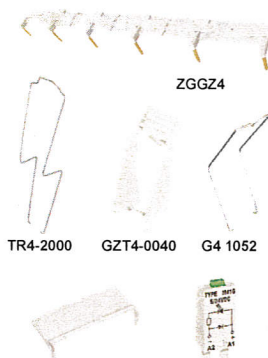
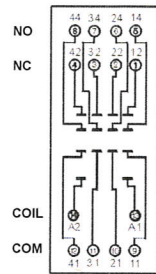
GZT4

For R4N, T-R4

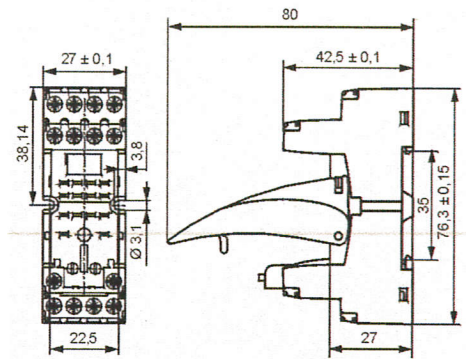
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
76,3 x 27 x 42,5(80) mm ②
Four poles
6 A, 300 V AC



Connection diagram



Dimensions



Accessories

GZT4-0035 Module type M...

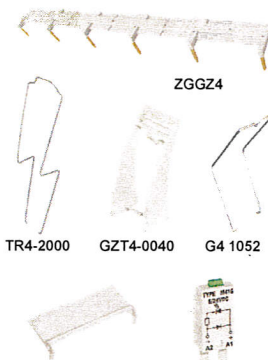
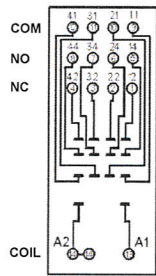
GZM4

For R4N, T-R4

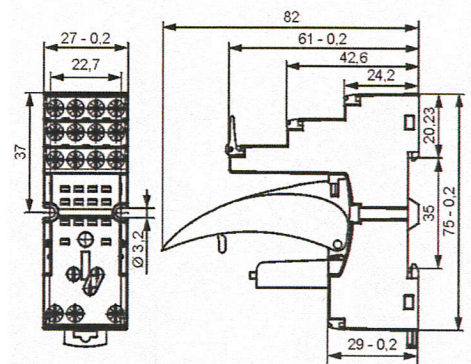
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
75 x 27 x 61(82) mm ②
Four poles
6 A, 300 V AC



Connection diagram



Dimensions



Accessories

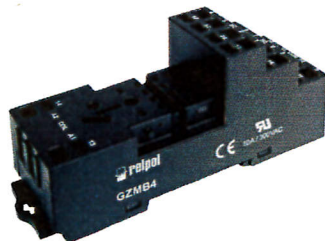
GZT4-0035 Module type M...

GZMB4

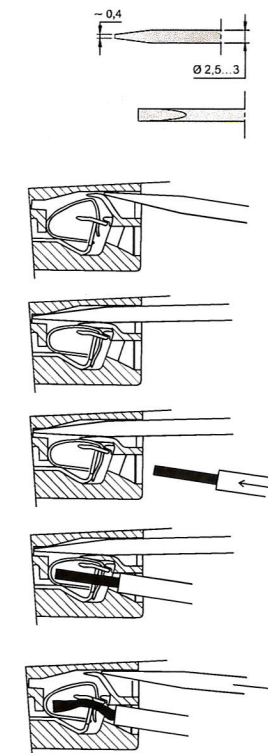
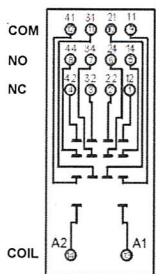
For R4N, T-R4

Spring terminals
Max. cross section
of the cables:
1 x 0,2...1,5 mm²
(1 x 24...16 AWG)
Stripping length: 9...11 mm

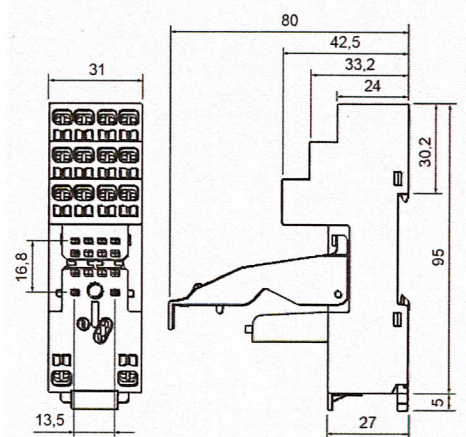
35 mm rail mount
acc. to EN 60715
95 x 31 x 42,5(80) mm ②
Four poles
10 A, 300 V AC



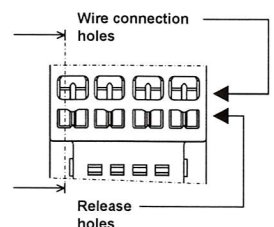
Connection diagram



Dimensions



The drawings present the sequence of operations in course of inserting wires to the spring terminal, and the recommended screwdriver to be used for opening of case springs, comply with the DIN 5264 FORM "A".



Accessories

Wire connection

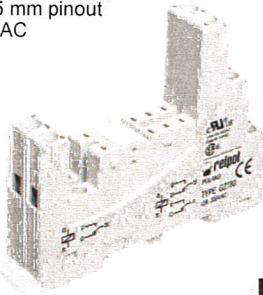
① Mounting and sub-assemblies of accessories in the socket - see page 8. Signalling / protecting modules type M... - see page 10. ② In the bracket the height of socket with retainer / retractor clip is shown. ③ Have obtained LR Type Approval Certificate (Lloyd's Register). ④ For R4N relays: G4 1052, GZT4-0040, GZMB-0040, GZT4-0035, TR, module type M...; for T-R4 relays: TR4-2000, GZT4-0035, TR.

Plug-in sockets and accessories

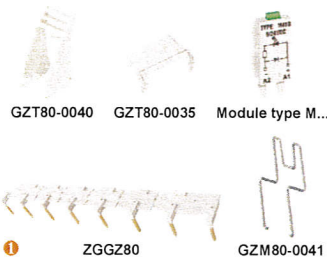
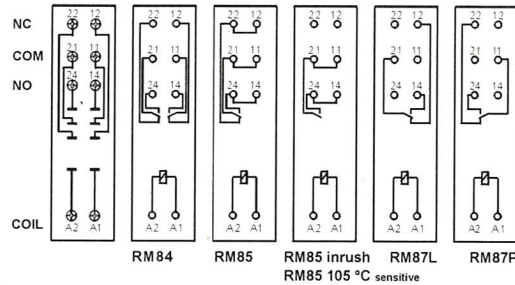
GZT80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

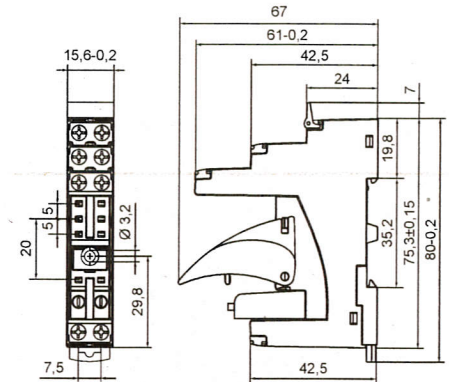
Screw terminals
Max. tightening moment
for the terminal: 0.7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
80 x 15,6 x 61(67) mm ②
Two poles, 5 mm pinout
12 A, 300 V AC



Connection diagrams ③



Dimensions



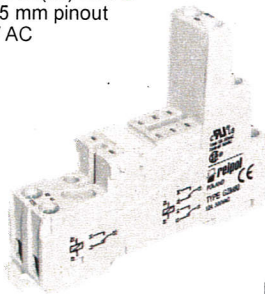
Accessories ①

ZGGZ80 GZM80-0041

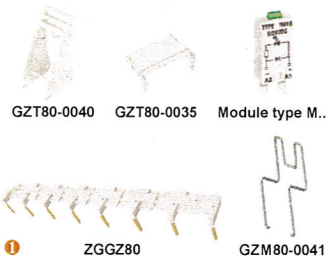
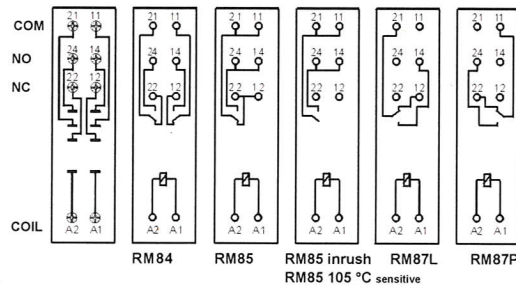
GZM80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

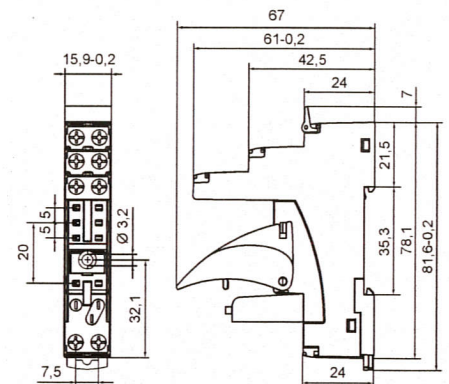
Screw terminals
Max. tightening moment
for the terminal: 0.7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
81,6 x 15,9 x 61(67) mm ②
Two poles, 5 mm pinout
12 A, 300 V AC



Connection diagrams ③



Dimensions



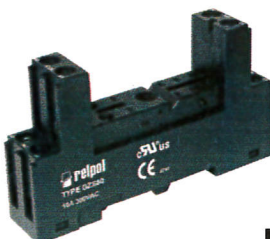
Accessories ①

ZGGZ80 GZM80-0041

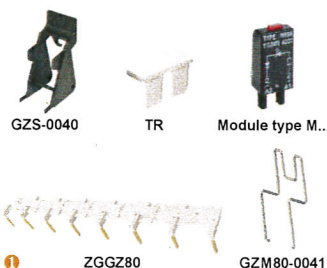
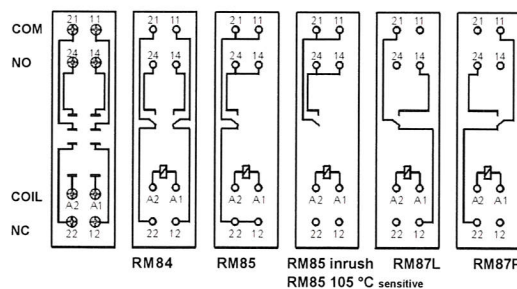
GZS80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

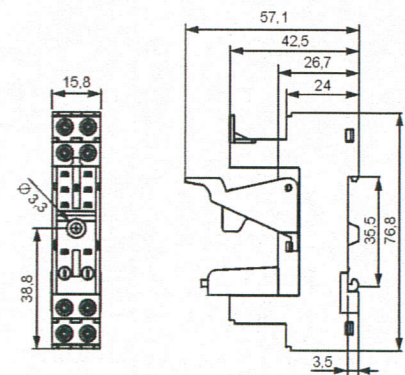
Screw terminals
Max. tightening moment
for the terminal: 0.5 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
76,8 x 15,8 x 42,5(57,1) mm ②
Two poles, 5 mm pinout
10 A, 300 V AC



Connection diagrams ③



Dimensions



Accessories ①

ZGGZ80 GZM80-0041

① Mounting and sub-assemblies of accessories in the socket - see page 10. Signalling / protecting modules type M... - see page 12. ② In the bracket the height of socket with retainer / retractor clip is shown. ③ For RM85..., RMP85: loads above 12 A (GZT80, GZM80) or 10 A (GZS80, GZF80, GZMB80) require bridging pairs of terminals: 11 with 21, 12 with 22, 14 with 24 - see catalog "Relays" and www.repol.com.pl

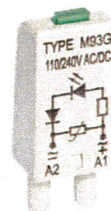
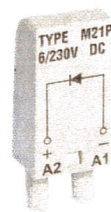
Signalling / protecting modules type M...

For sockets type:

GZT80, GZM80, GZS80, GZMB80, GZT92, GZM92, GZS92, ES 32,
GZT2, GZM2, GZMB2, GZT3, GZM3, GZT4, GZM4, GZMB4

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

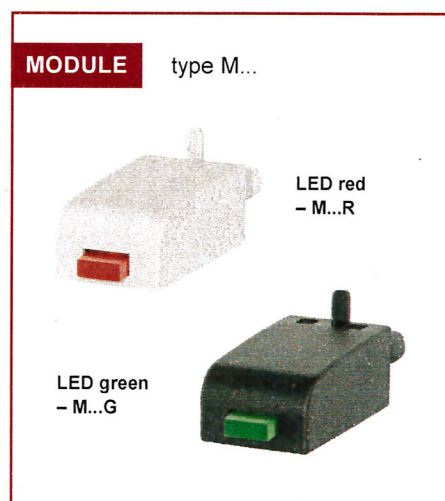
Polarity P: -A1/+A2. Polarity N: +A1/-A2.



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.

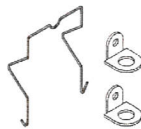


Plug-in sockets and accessories

GOP8

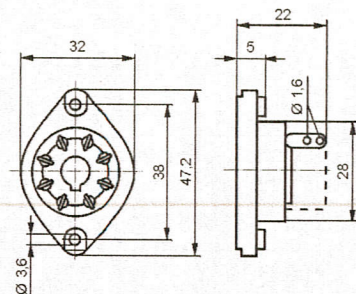
For R15 - 2 CO

Solder terminals
47,2 x 32 x 22 mm
Two poles
10 A, 250 V AC



R159 1051

Dimensions

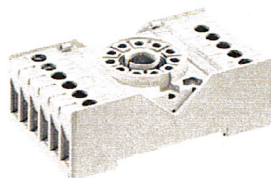


Accessories

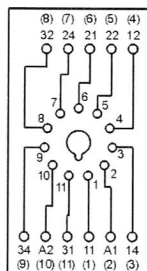
PZ11

For R15 - 3 CO

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
or on panel mounting
68,2 x 38 x 24,2 mm
Three poles
10 A, 250 V AC

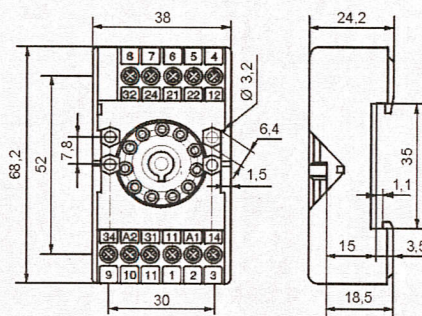


Connection diagram



PZ11 0031

Dimensions

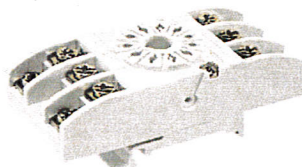


Accessories

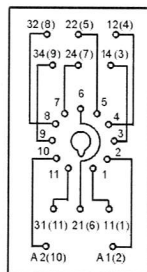
GZU11

For R15 - 3 CO

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to EN 60715
82 x 35,5 x 25,7 mm
Three poles
10 A, 250 V AC

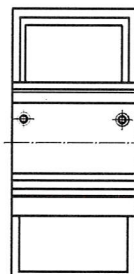


Connection diagram

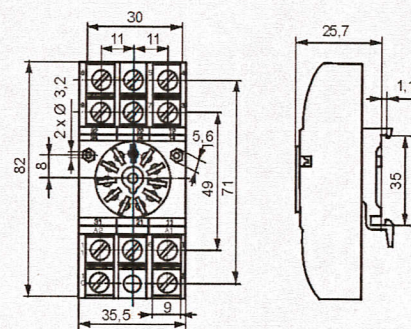


GZU 1052

Adaptor



Dimensions

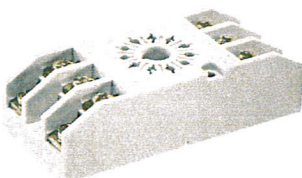


Accessories

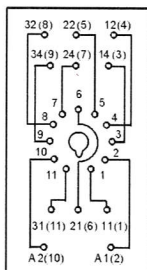
GZ11

For R15 - 3 CO

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
On panel mounting
82,8 x 35,5 x 22,5 mm
Three poles
10 A, 250 V AC

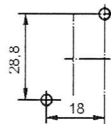


Connection diagram

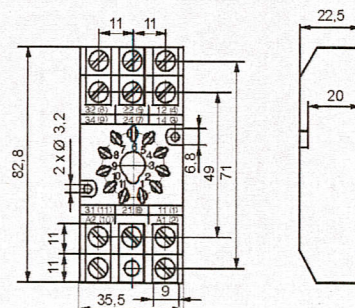


GZ 1050

Mounting dimensions



Dimensions



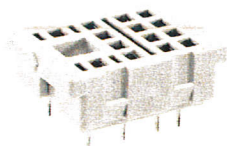
① Have obtained LR Type Approval Certificate (Lloyd's Register).

Plug-in sockets and accessories

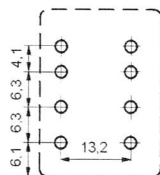
SU4/2D

For R2N

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

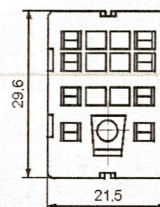
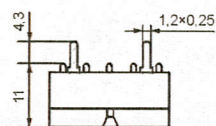


Pinout



G4 1053

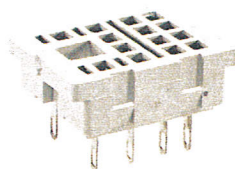
Dimensions



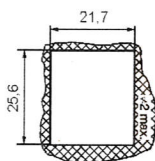
SU4/2L

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

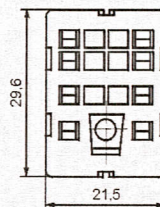
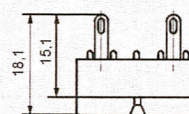


G4 1053



G4 1040

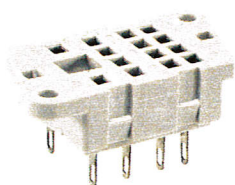
Dimensions



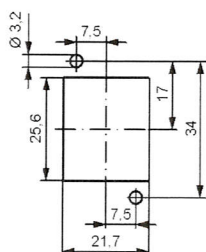
G4/2

For R2N

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

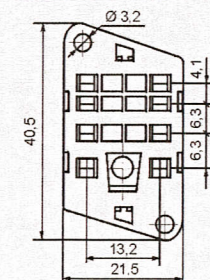
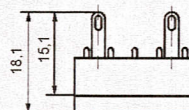


Pinout of openings on panel mounting

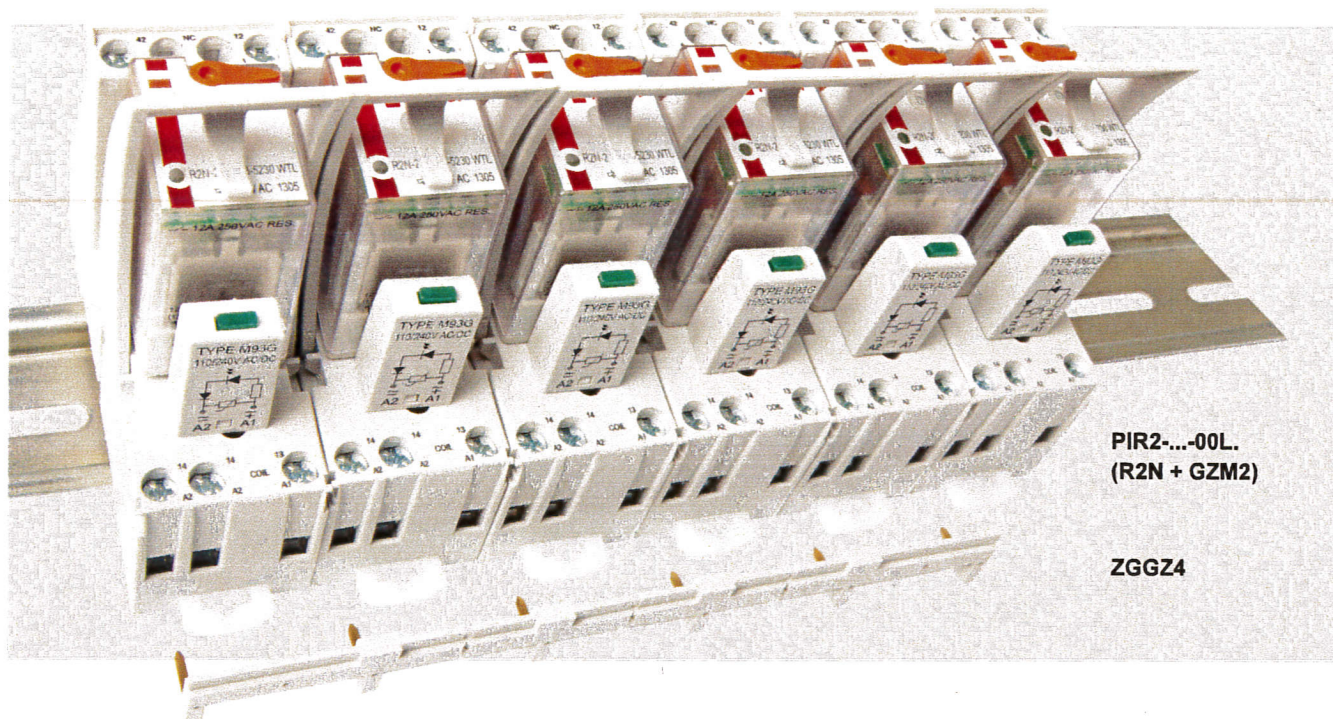


G4 1053

Dimensions



Interconnection strips ZGGZ4



■ ZGGZ4 for:

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

③ Interface relay PIR2 (PIR3, PIR4) is offered as a set: plug-in socket GZM2 (GZM3, GZM4) + miniature industrial relay R2N (R3N, R4N) + 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.

