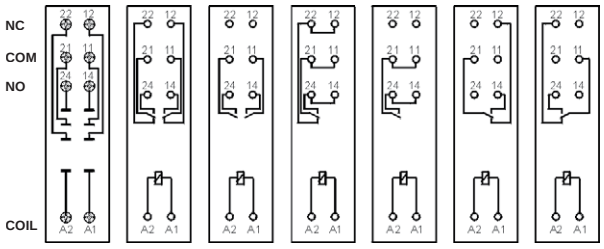
GZT80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
75,3 x 15,5 x 61(67) mm ❷
Two poles, 5 mm pinout
12 A, 300 V AC



Connection diagrams ❸

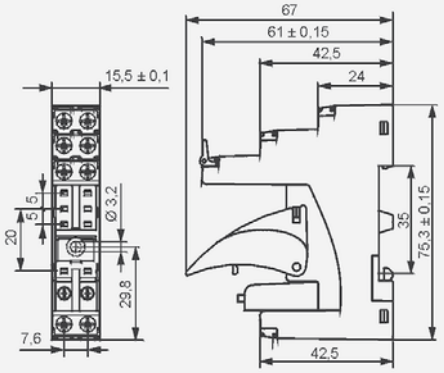




Accessories ❶



Dimensions



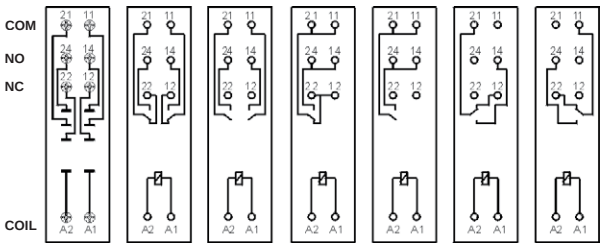
GZM80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
78,1 x 15,9 x 61(66,5) mm ❷
Two poles, 5 mm pinout
12 A, 300 V AC



Connection diagrams ❸

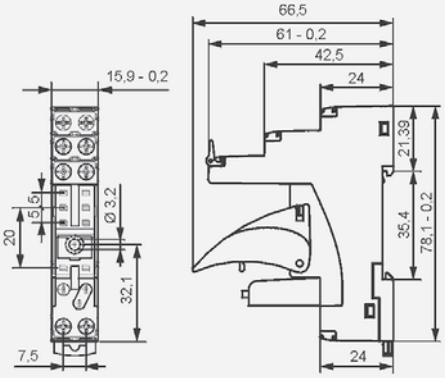




Accessories ❶



Dimensions



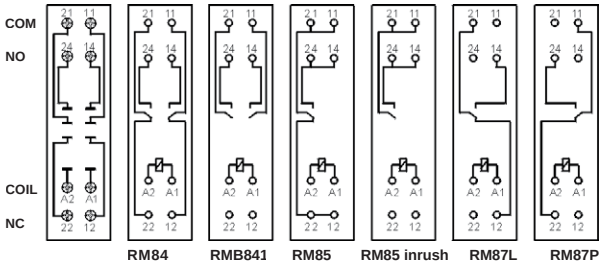
GZS80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

Screw terminals
Max. tightening moment
for the terminal: 0,5 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
76,8 x 15,8 x 42,5(57,1) mm ❷
Two poles, 5 mm pinout
10 A, 300 V AC



Connection diagrams ❸

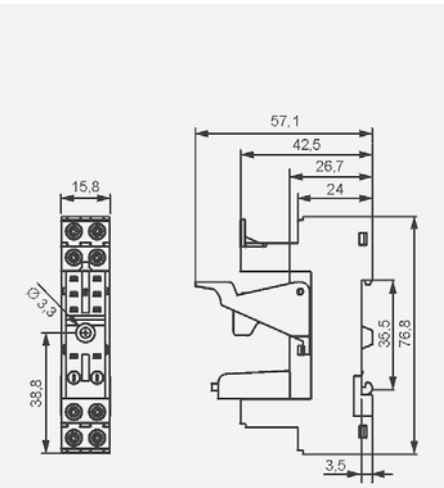




Accessories ❶



Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20. ❷ In the bracket the height of socket with retainer / retractor clip is shown. ❸ For RM85, RM85 inrush, RM85 105 °C sensitive, RMB851: loads above 12 A (GZT80, GZM80) or 10 A (GZS80, GZMB80) require bridging pairs of terminals: 11 with 21, 12 with 22, 14 with 24 - see www.relpol.com.pl; For RMB841, RMB851 - see www.relpol.com.pl (energizing of bistable relays)

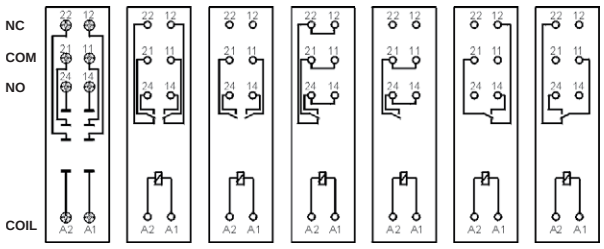
GZMB80

For RM84, RM85,
RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive

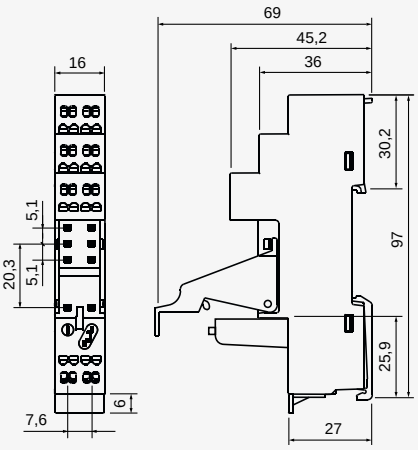
Spring terminals
Max. cross section
of the cables:
1 x 0,2...1,5 mm²
(1 x 24...16 AWG)
Length of the cable
deinsulation: 9...11 mm

35 mm rail mount
acc. to PN-EN 60715
97 x 16 x 45,2(69) mm ❷
Two poles, 5 mm pinout
10 A, 300 V AC

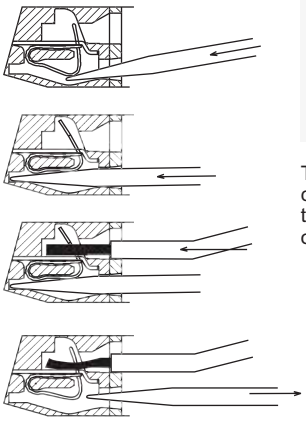
Connection diagrams ❸



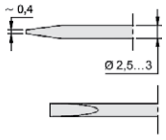
Dimensions

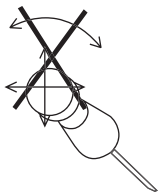






The drawings present the sequence of operations in course of inserting wires to the spring terminal, and the recommended screwdriver to be used for opening of case springs, comply with the DIN 5264 FORM „A".







GZMB80-0040



TR



Module type M...



GZM80-0041

Accessories ❶

Wire connection

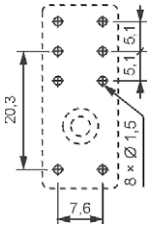
EC 50

For RM84, RM85, RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive,
RM83, RM94

For PCB
31,3 x 12,7 x 9 mm
Two poles, 5 mm pinout
8 A, 300 V AC



Pinout





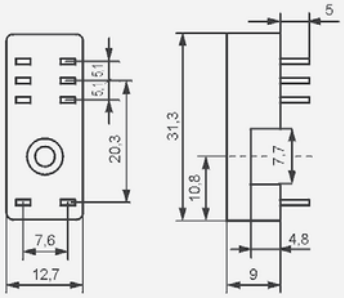
MP25-2 MH25-2 RM81-0001



MP16-2 MH16-2 GD-0025

Accessories

Dimensions



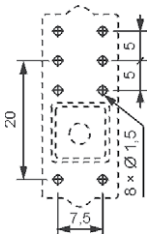
PW80

For RM84, RM85, RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive,
RM83, RM94

For PCB
34,6 x 12,9 x 6,6 mm
Two poles, 5 mm pinout
8 A, 250 V AC



Pinout





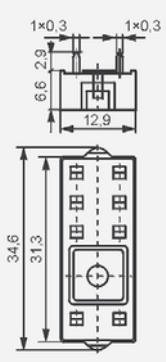
MH25-2 RM81-0001



MH16-2 GD-0025

Accessories

Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20. ❷ In the bracket the height of socket with retainer / retractor clip is shown. ❸ For RM85, RM85 inrush, RM85 105 °C sensitive, RMB851: loads above 12 A (GZT80, GZM80) or 10 A (GZS80, GZMB80) require bridging pairs of terminals: 11 with 21, 12 with 22, 14 with 24 - see www.relpol.com.pl; For RMB841, RMB851 - see www.relpol.com.pl (energizing of bistable relays)

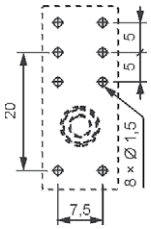
GD50

For RM84, RM85, RM85 inrush,
RM85 105 °C sensitive,
RMB841, RMB851,
RM87L, RM87L sensitive,
RM87P, RM87P sensitive,
RM83, RM94

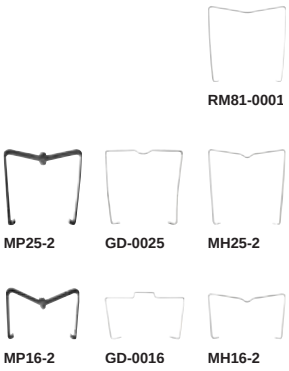
For PCB
31,5 x 13 x 9 mm
Two poles, 5 mm pinout
8 A, 300 V AC



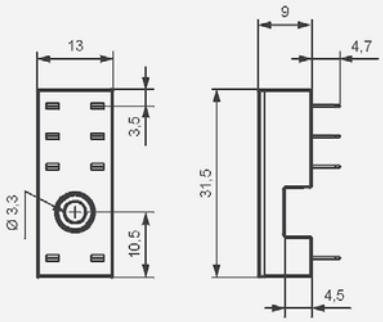
Pinout



Accessories



Dimensions



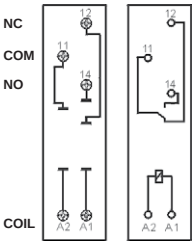
GZT92

For RM87N, RM87N sensitive

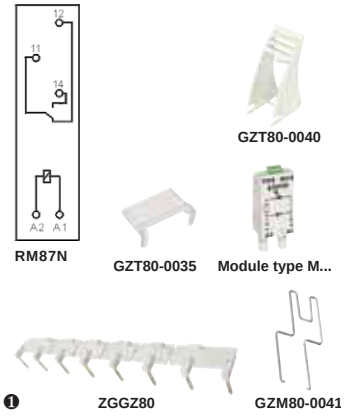
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
75,3 x 15,5 x 61(67) mm ❷
One pole, 3,5 mm pinout
12 A, 300 V AC



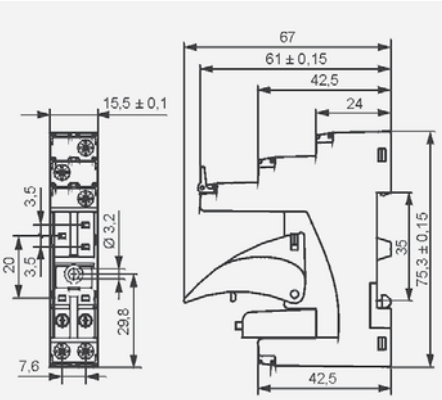
Connection diagrams



Accessories ❶



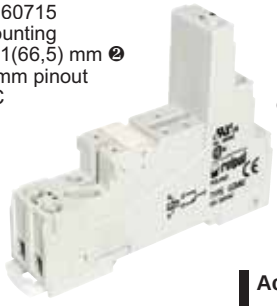
Dimensions



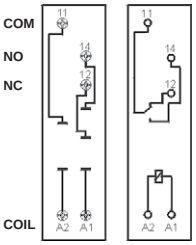
GZM92

For RM87N, RM87N sensitive

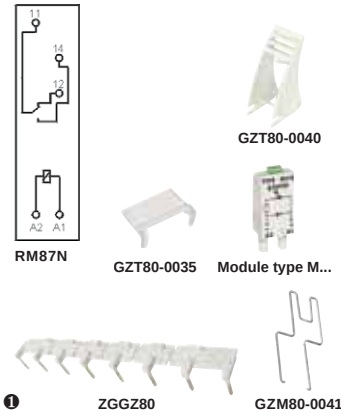
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
78,1 x 15,9 x 61(66,5) mm ❷
One pole, 3,5 mm pinout
12 A, 300 V AC



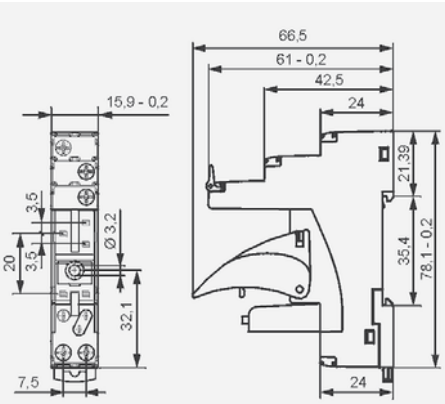
Connection diagrams



Accessories ❶



Dimensions



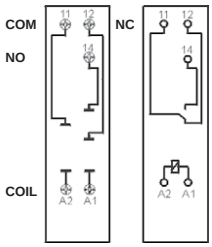
GZS92

For RM87N, RM87N sensitive

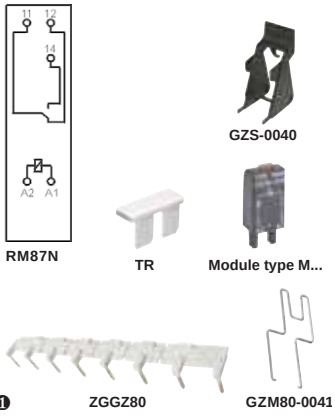
Screw terminals
Max. tightening moment
for the terminal: 0,5 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
76,8 x 15,8 x 42,5(57,1) mm ❷
One pole, 3,5 mm pinout
12 A, 300 V AC



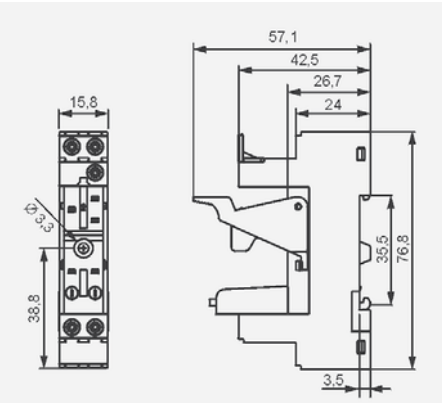
Connection diagrams



Accessories ❶



Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20.
❷ In the bracket the height of socket with retainer / retractor clip is shown.

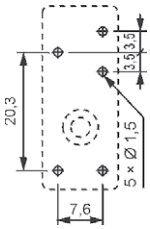
EC 35

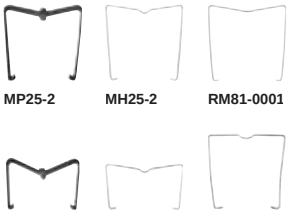
For RM87N, RM87N sensitive, RM92

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



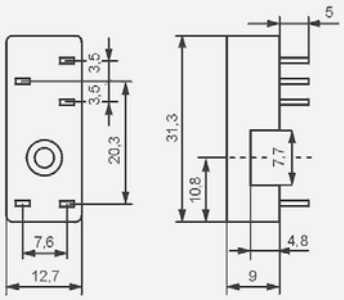
Pinout





Accessories

Dimensions



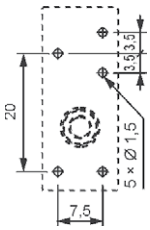
GD35

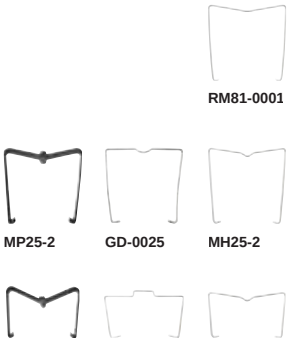
For RM87N, RM87N sensitive, RM92

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



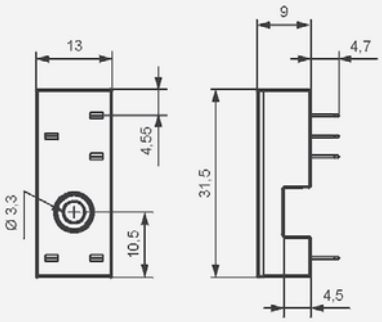
Pinout





Accessories

Dimensions



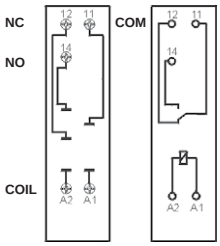
ES 32

For RM96 1 CO

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715 or on panel mounting
75 x 15,5 x 42,5(59) mm ❷
One pole, 3,2 mm pinout
12 A, 300 V AC



Connection diagrams



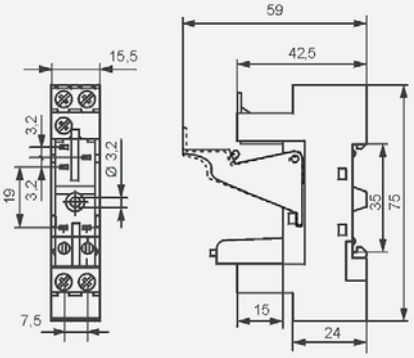




Accessories ❶



Dimensions

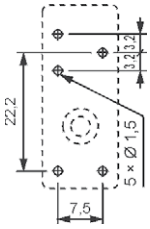


EC 32

For PCB
31 x 12,7 x 9 mm
One pole, 3,2 mm pinout
12 A, 300 V AC



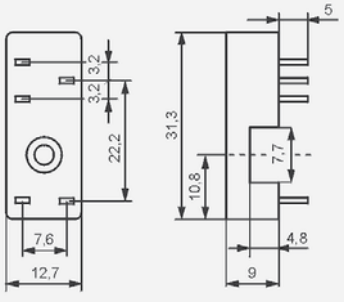
Pinout



Accessories



Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20.
❷ In the bracket the height of socket with retainer / retractor clip is shown.

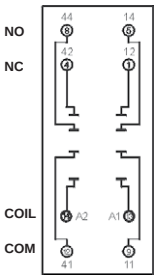
GZT2

For R2

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



Connection diagram





ZGGZ4



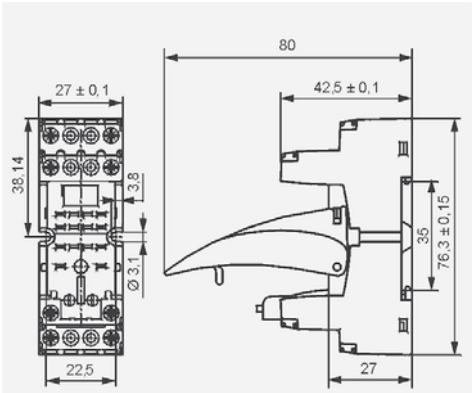
GZT4-0040 G4 1052



GZT4-0035 Module type M...

Accessories ❶

Dimensions



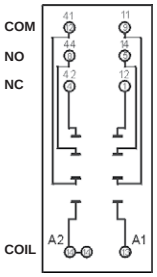
GZM2

For R2

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



Connection diagram





ZGGZ4



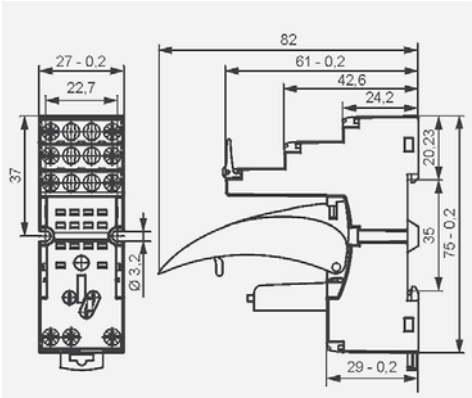
GZT4-0040 G4 1052



GZT4-0035 Module type M...

Accessories ❶

Dimensions



GZMB2

For R2

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

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





GZMB4-0040



TR

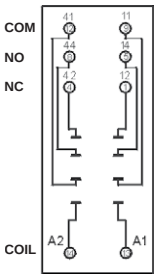


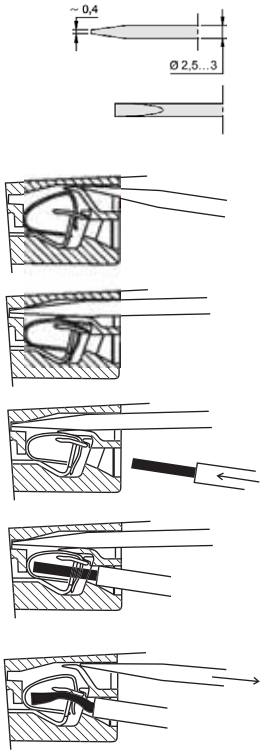
Module type M...



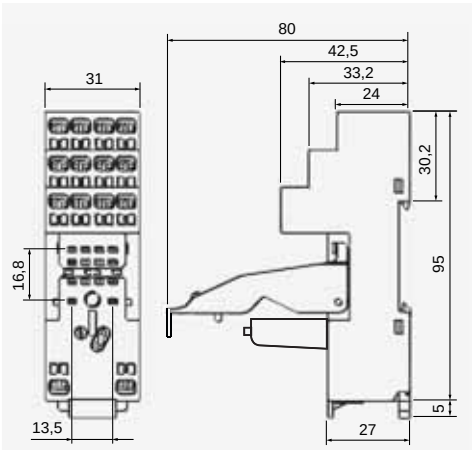
G4 1052

Connection diagram

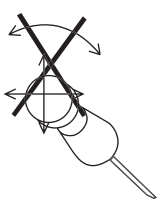


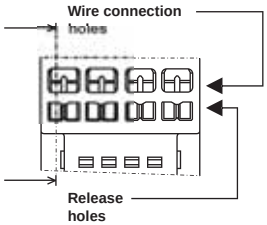


Dimensions



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 ❶

Wire connection

❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20.
❷ In the bracket the height of socket with retainer / retractor clip is shown.

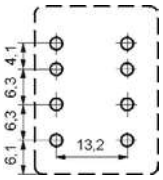
SU4 / 2D

For R2

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



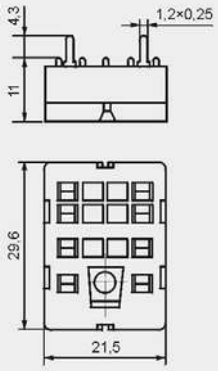
Pinout



Accessories ❹ G4 1053 G4 1050



Dimensions



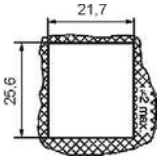
SU4 / 2L

For R2

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



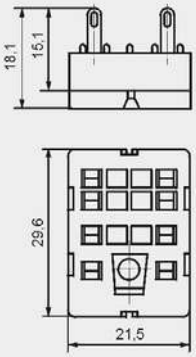
Dimensions of opening on panel mounting



Accessories ❹ G4 1053 G4 1050 G4 1040



Dimensions



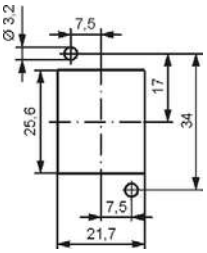
G4 / 2

For R2

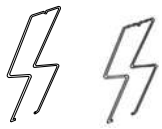
Solder terminals
40,5 x 21,5 x 18,1 mm
Two poles
12 A, 250 V AC



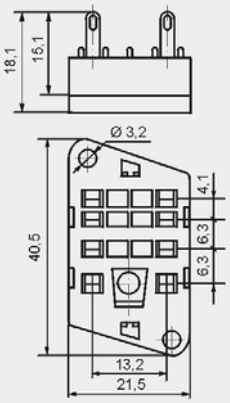
Pinout of openings on panel mounting



Accessories ❹ G4 1053 G4 1050



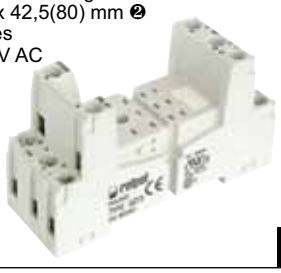
Dimensions



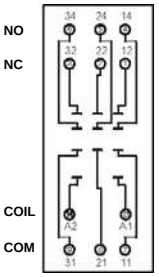
GZT3

For R3

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



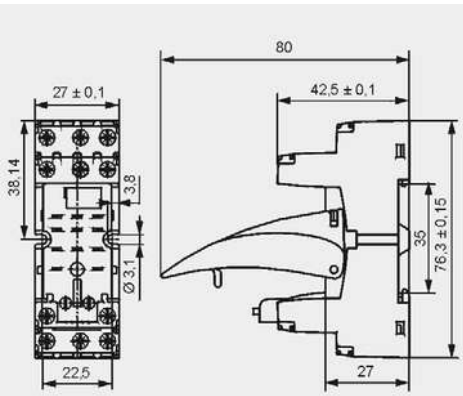
Connection diagram



Accessories ❶



Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20.
❷ In the bracket the height of socket with retainer / retractor clip is shown. ❹ G4 1053 - for R2...WT, R4...WT relays; G4 1050 - for R2, R4 without WT

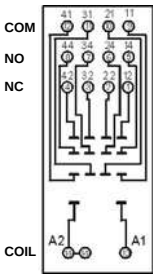
GZM3

For R3

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



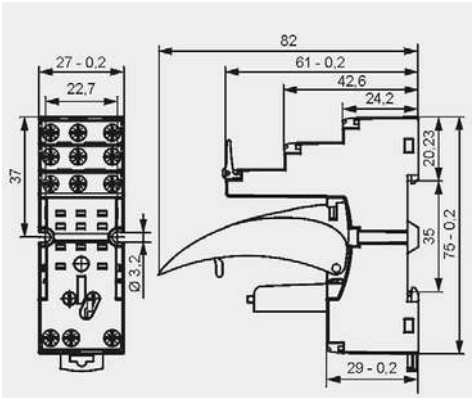
Connection diagram





Accessories ❶

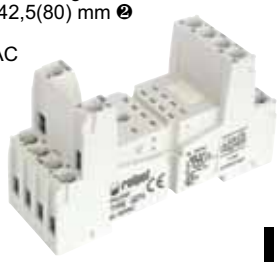
Dimensions



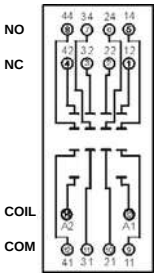
GZT4 ❺

For R4, T-R4

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



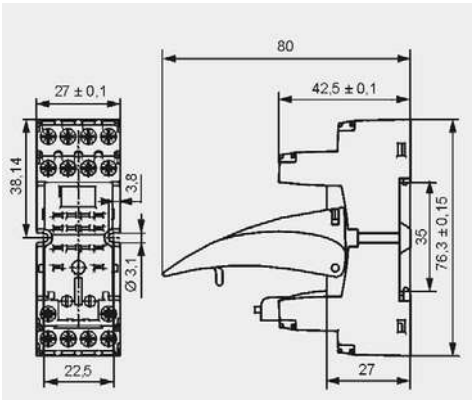
Connection diagram





Accessories ❶ ❻

Dimensions



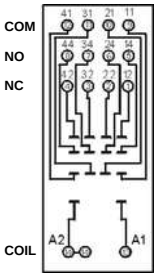
GZM4

For R4, T-R4

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



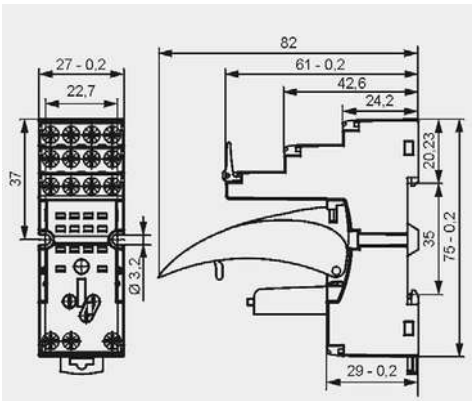
Connection diagram





Accessories ❶ ❻

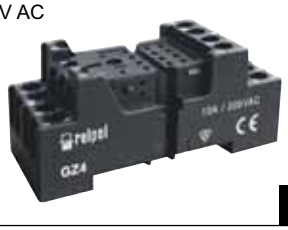
Dimensions



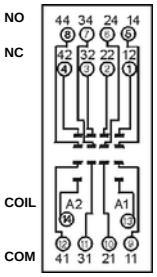
GZ4

For R4

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
66,4 x 29,5 x 29 mm
Four poles
10 A, 300 V AC



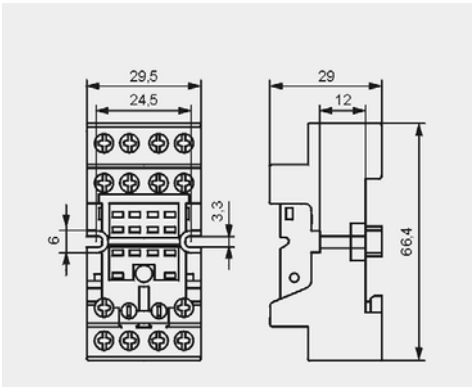
Connection diagram



Accessories



Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20. ❷ In the bracket the height of socket with retainer / retractor clip is shown. ❺ Have obtained LR Type Approval Certificate (Lloyd's Register). ❻ For R4 relays: G4 1052, GZT4-0040, GZMB-0040, GZT4-0035, TR, module type M...; for T-R4 relays: TR4-2000, GZT4-0035, TR

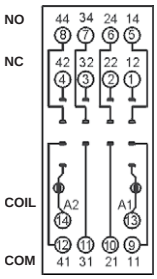
GS4

For R4

Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
67 x 30,8 x 30(~63,7) mm ❼
Four poles
6 A, 300 V AC



Connection diagram

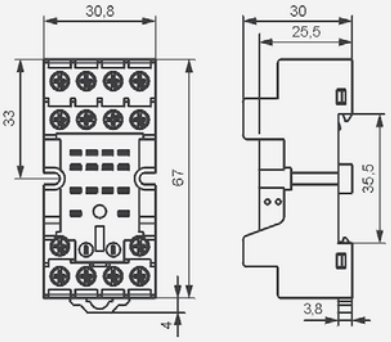


Accessories



GS4-0036 GS4-0035

Dimensions



GZMB4

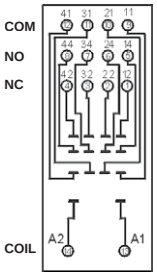
For R4, T-R4

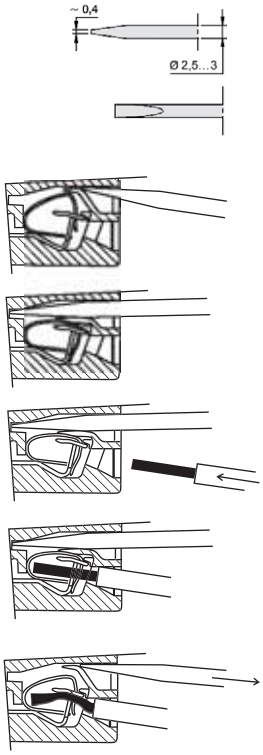
Spring terminals
Max. cross section of the cables:
1 x 0,2...1,5 mm²
(1 x 24...16 AWG)
Length of the cable deinsulation:
9...11 mm

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

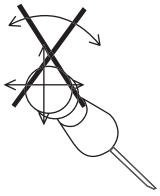


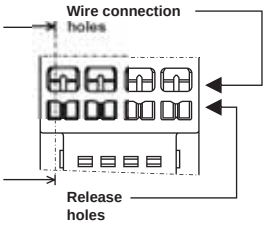
Connection diagram



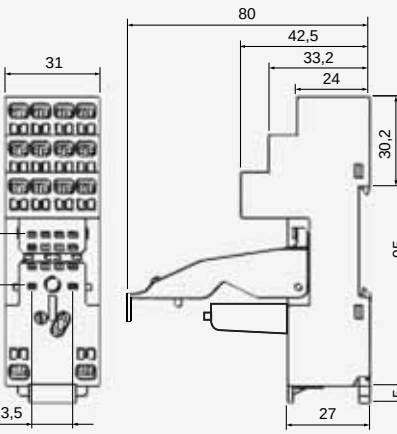


The drawings present the sequence of operations in course of inserting wires to the spring terminal, and the recommended screwdriver to be used for opening of case springs, comply with the DIN 5264 FORM „A".





Dimensions









GZMB4-0040 TR Module type M... G4 1052 TR4-2000

Accessories ❶ ❻

Wire connection

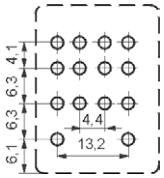
SU4D

For R4

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



Pinout

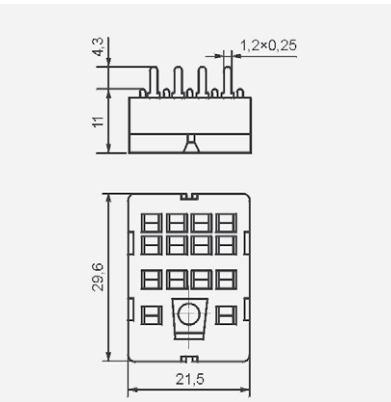




G4 1053 G4 1050

Accessories ❹

Dimensions



❶ Mounting and sub-assemblies of accessories in the socket - see page 9. Signalling / protecting modules type M... - see page 20. ❷ In the bracket the height of socket with retainer / retractor clip is shown. ❹ G4 1053 - for R2...WT, R4...WT relays; G4 1050 - for R2, R4 without WT ❻ For R4 relays: G4 1052, GZT4-0040, GZMB-0040, GZT4-0035, TR, module type M...; for T-R4 relays: TR4-2000, GZT4-0035, TR ❼ In the bracket the height of socket with spring wire clip is shown.

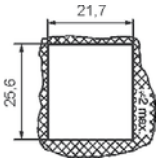
SU4L

For R4

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



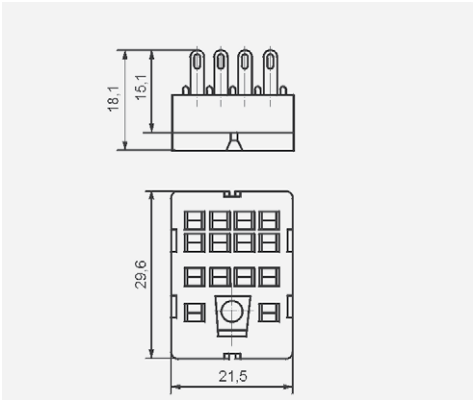
Dimensions of opening on panel mounting



Accessories ❹



Dimensions



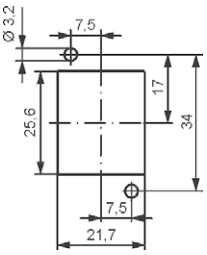
G4

For R4

Solder terminals
40,5 x 21,5 x 18,1 mm
Four poles
6 A, 250 V AC



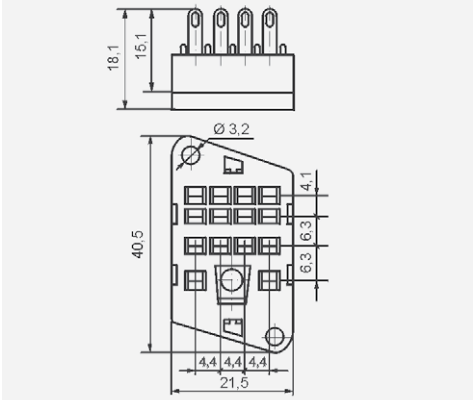
Pinout of openings on panel mounting



Accessories ❹

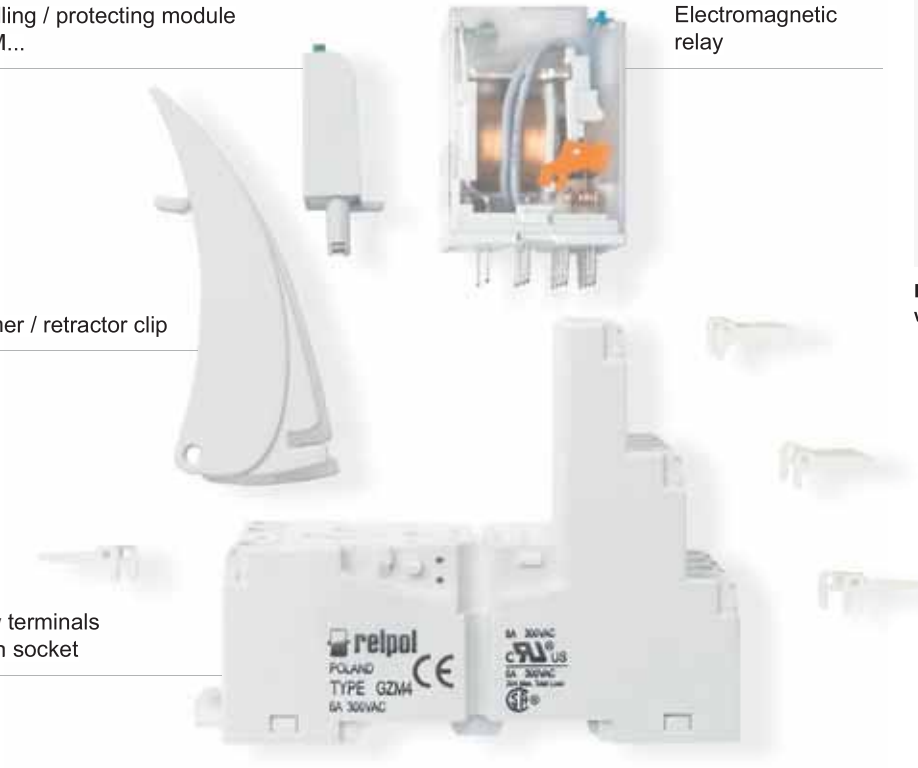


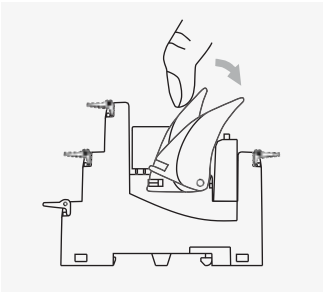
Dimensions



❹ G4 1053 - for R2...WT, R4...WT relays; G4 1050 - for R2, R4 without WT

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





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

11.05.2013

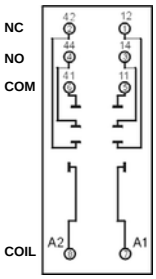
GZY2G

For RY2

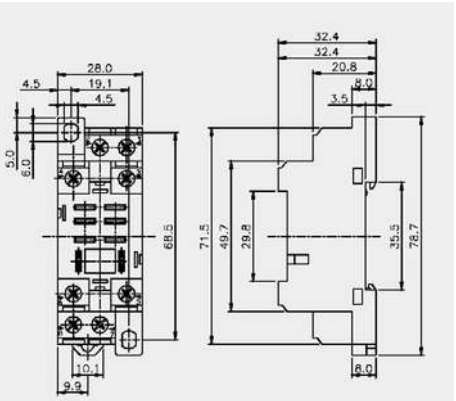
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
78,7 x 28 x 32,4 mm
Two poles
12 A, 250 V AC



Connection diagram



Dimensions



Accessories

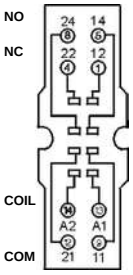
GZ2

For R2M

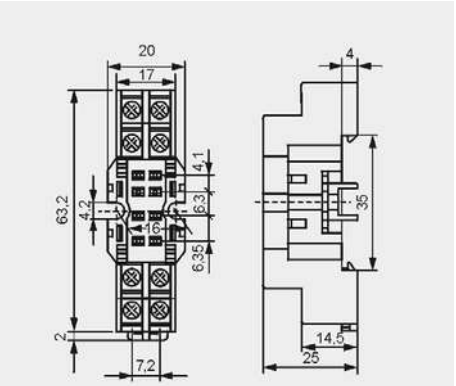
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
65,2 x 20 x 25 mm
Two poles
7 A, 250 V AC



Connection diagram



Dimensions



Accessories



GZ2 1060



GZ2 1111

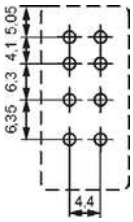
S2M

For R2M

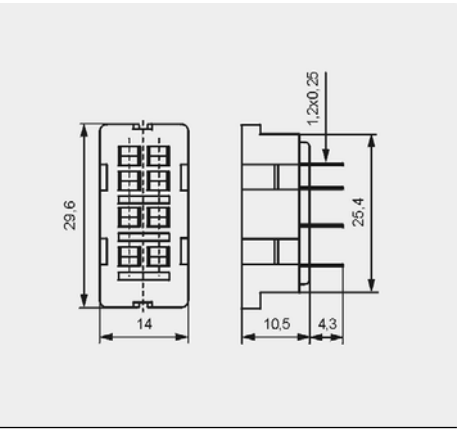
For PCB
29,6 x 14 x 10,5 mm
Two poles
5 A, 250 V AC



Pinout



Dimensions



Accessories

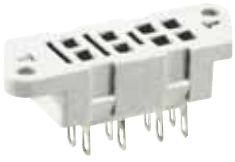


G4 1050

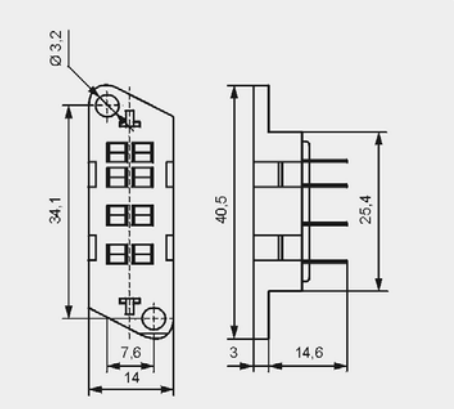
G2M

For R2M

Solder terminals
40,5 x 14 x 10,5 mm
Two poles
5 A, 250 V AC



Dimensions



Accessories



G4 1050



G2M 1020

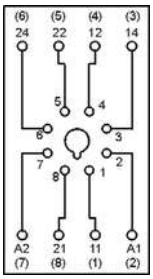
PZ8 ❺

For R15 - 2 CO

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



Connection diagram

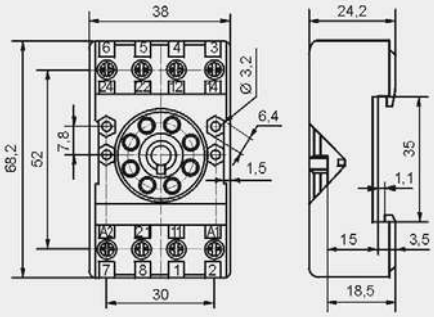


Accessories



PZ11 0031

Dimensions



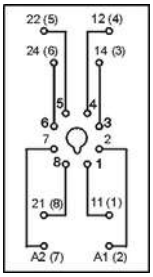
GZU8

For R15 - 2 CO

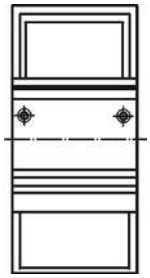
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
82 x 35,5 x 25,7 mm
Two poles
10 A, 300 V AC



Connection diagram



Adaptor

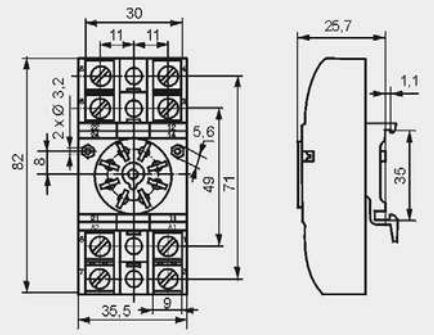


Accessories



GZU 1052

Dimensions



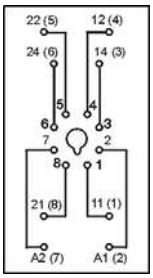
GZ8

For R15 - 2 CO

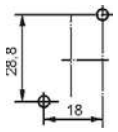
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
On panel mounting
82,8 x 35,5 x 22,5 mm
Two poles
10 A, 300 V AC



Connection diagram



Mounting dimensions

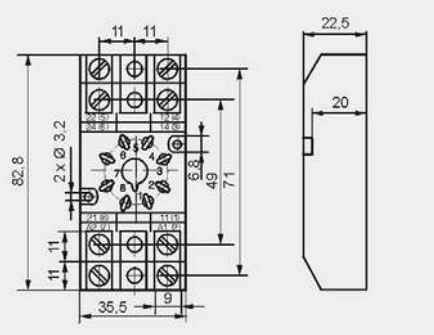


Accessories



GZ 1050

Dimensions



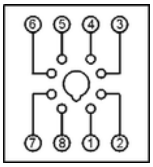
GZS8

For R15 - 2 CO

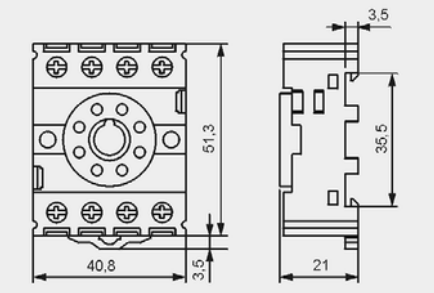
Screw terminals
Max. tightening moment
for the terminal: 1,0 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
51,3 x 40,8 x 21 mm
Two poles
10 A, 300 V AC



Connection diagram



Dimensions



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

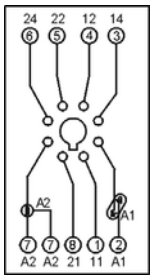
GZP8

For R15 - 2 CO

Screw terminals
Max. tightening moment
for the terminal: 0,5 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
73 x 38,2 x 27,2 mm
Two poles
12 A, 300 V AC



Connection diagram





Time module T(COM3)

Accessories

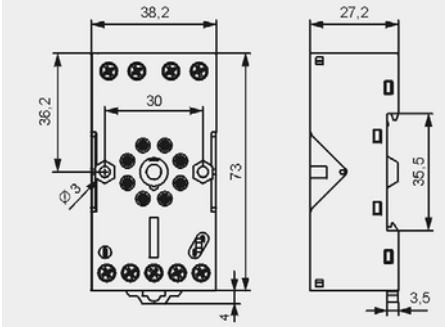


GZP-0054



GZP-0035

Dimensions



GOP8

For R15 - 2 CO

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



Accessories

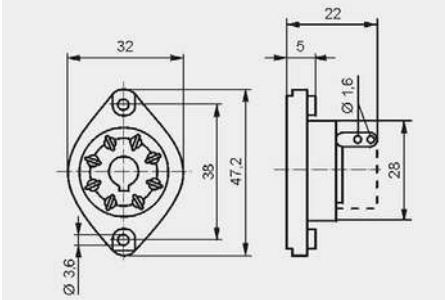


R159 1051



R15 5922

Dimensions



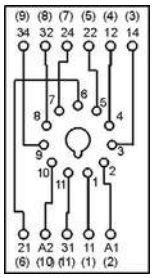
PS11 ❺

For R15 - 3 CO

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



Connection diagram

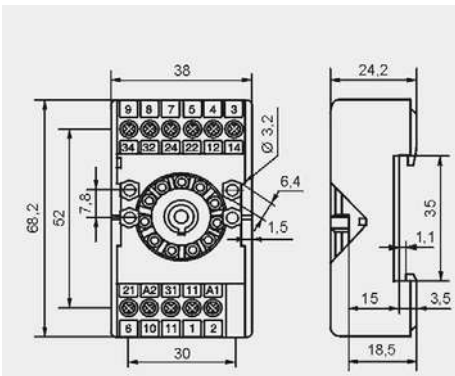


Accessories



PZ11 0031

Dimensions



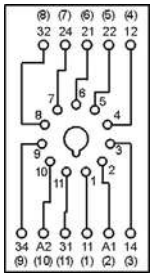
PZ11 ❺

For R15 - 3 CO

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



Connection diagram

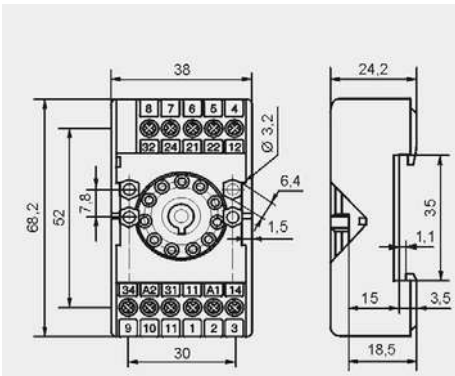


Accessories



PZ11 0031

Dimensions



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

relpol S.A.
Export Sales Department phone +48 68 47 90 832, 951 ï e-mail: export@relpol.com.pl
www.relpol.com.pl

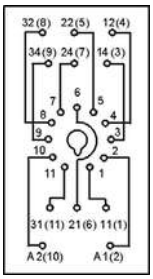
GZU11

For R15 - 3 CO

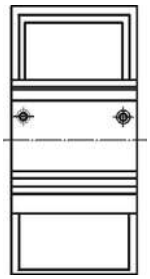
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
82 x 35,5 x 25,7 mm
Three poles
10 A, 250 V AC



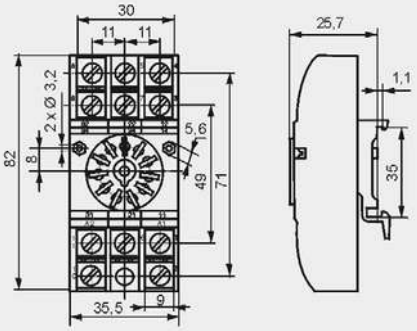
Connection diagram



Adaptor



Dimensions



Accessories



GZU 1052

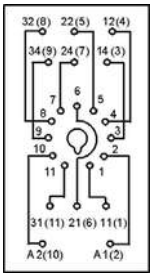
GZ11

For R15 - 3 CO

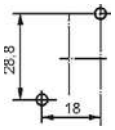
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
On panel mounting
82,8 x 35,5 x 22,5 mm
Three poles
10 A, 250 V AC



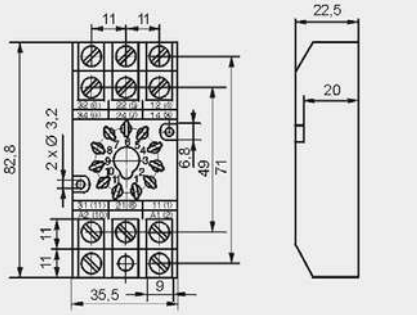
Connection diagram



Mounting dimensions



Dimensions



Accessories



GZ 1050

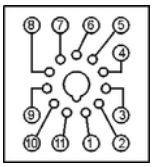
GZS11

For R15 - 3 CO

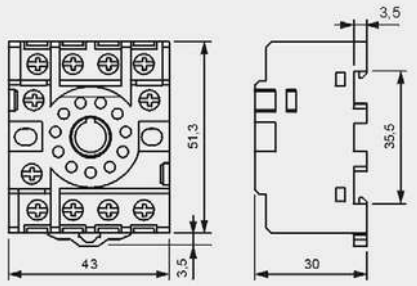
Screw terminals
Max. tightening moment
for the terminal: 1,0 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
51,3 x 43 x 30 mm
Three poles
10 A, 300 V AC



Connection diagram



Dimensions



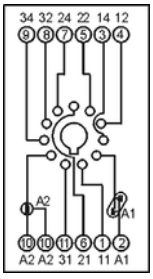
GZP11

For R15 - 3 CO

Screw terminals
Max. tightening moment
for the terminal: 0,5 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
73 x 38,2 x 27,2 mm
Three poles
12 A, 300 V AC



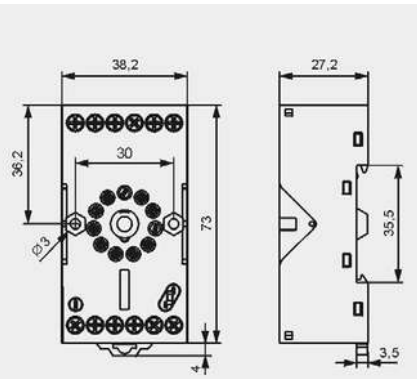
Connection diagram





Time module T(COM3)

Dimensions



Accessories



GZP-0054



GZP-0035

GOP11

For R15 - 3 CO

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

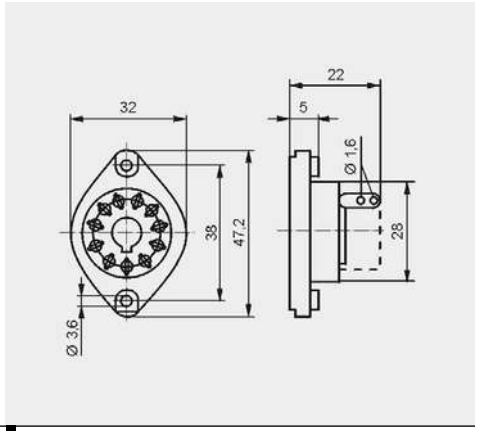


Accessories


R159 1051


R15 5922

Dimensions



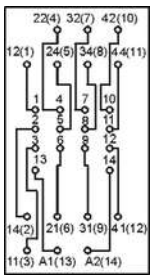
GZ14U

For R15 - 4 CO

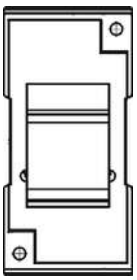
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
96,8 x 46,4 x 33,3 mm
Four poles
10 A, 250 V AC



Connection diagram



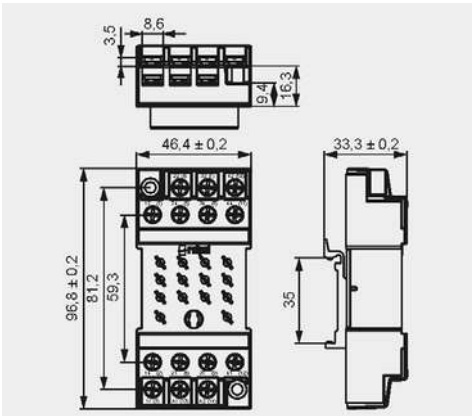
Adaptor



Accessories


GZ14 0737

Dimensions



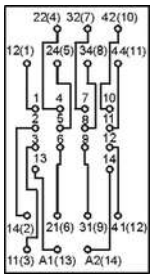
GZ14

For R15 - 4 CO

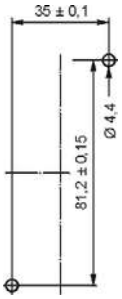
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
On panel mounting
96,8 x 46,4 x 24,5 mm
Four poles
10 A, 250 V AC



Connection diagram



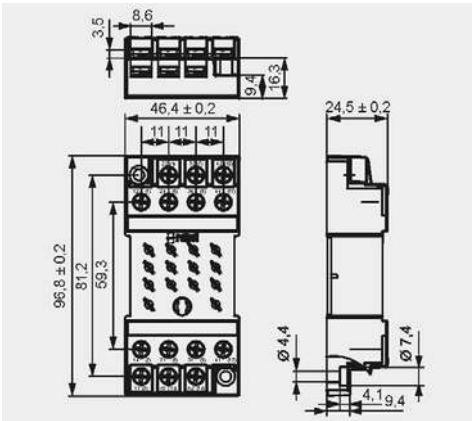
Mounting dimensions



Accessories


GZ14 0737

Dimensions



GOP14

For R15 - 4 CO

Solder terminals
50 x 42 x 23 mm
Four poles
10 A, 250 V AC

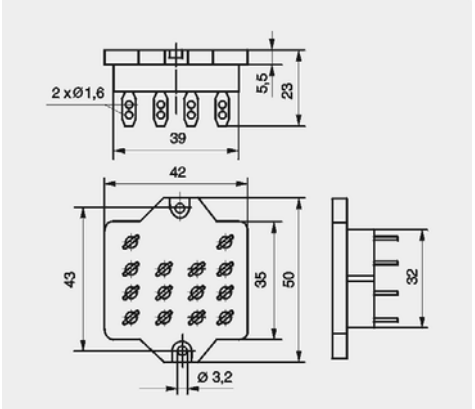


Accessories


R15 0736


R15 5922

Dimensions



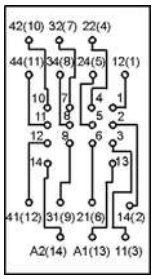
GZ14Z

For R15 - 4 CO

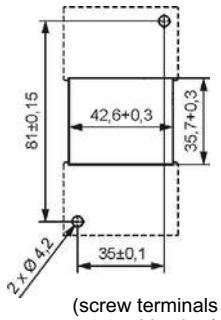
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
On panel mounting, behind
92,2 x 46 x 23 mm
Four poles
10 A, 250 V AC



Connection diagram

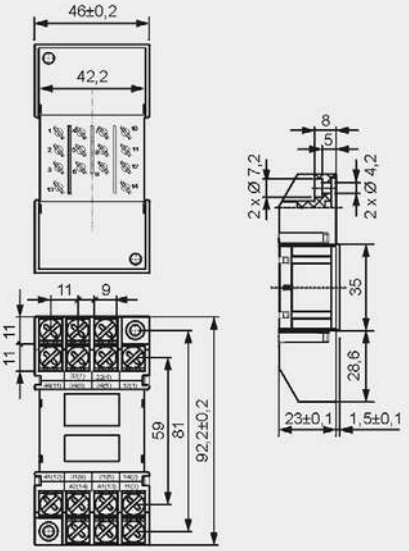


Mounting dimensions



(screw terminals side view)

Dimensions



Accessories



GZ14 0737

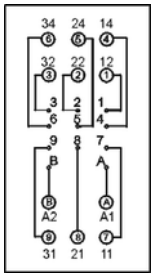
GUC11 ❽

For RUC faston 4,8x0,5, RUC-M

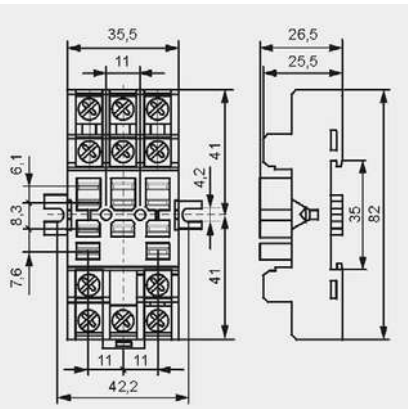
Screw terminals
Max. tightening moment
for the terminal: 0,7 Nm
35 mm rail mount
acc. to PN-EN 60715
or on panel mounting
82 x 42,2 x 26,5 mm
Three poles
16 A, 250 V AC



Connection diagram



Dimensions



Accessories



MBA

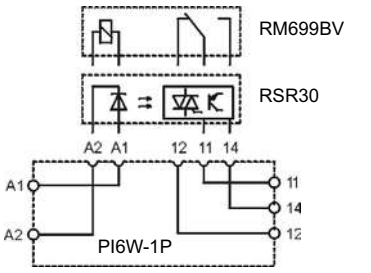
PI6W-1P

For RM699BV, RSR30 ❾

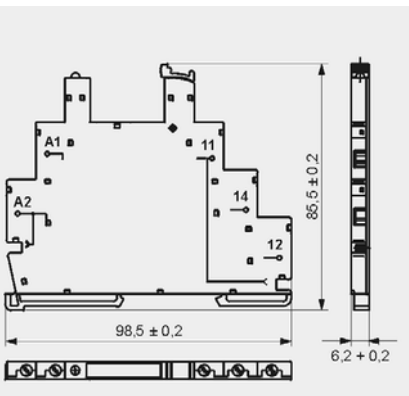
Screw terminals
Max. tightening moment
for the terminal: 0,3 Nm
35 mm rail mount
acc. to PN-EN 60715
98,5 x 6,2 x 85,5 mm
One pole
6 A, 250 V AC



Connection diagram



Dimensions



Accessories



ZG20



PI6W-1246

❽ For RUC faston 4,8 x 0,5 and RUC-M, with GUC11 socket, max. switching voltages and coil voltages of relays are limited to 250 V AC / DC.
❾ Solid state relays **RSR30** type - see catalogue "Solid state relays" and www.relpol.com.pl

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.

11.05.2013



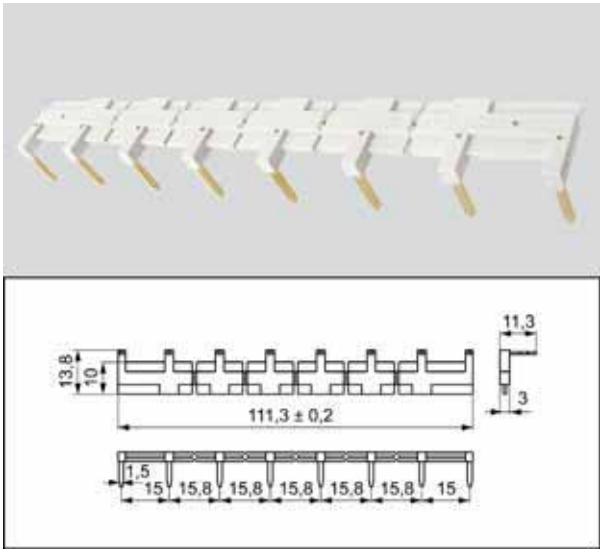
ZGGZ80 for:

Plug-in sockets	Relays for plug-in sockets	Interface relays ❶
GZT80	RM84, RM85, RM85 inrush,	PI84-...-M..G (GZT80 + RM84)
GZM80	RM85 105 °C sensitive,	PI84-...-00L. (GZM80 + RM84)
GZS80	RM87L ❷, RM87P ❷	PI85-...-M..G (GZT80 + RM85)
GZT92	RM87N ❷	PI85-...-00L. (GZM80 + RM85)
GZM92		
GZS92		
ES 32	RM96 1 CO	

❶ Interface relay **PI84** (**PI85**) is offered as a **set**: plug-in socket **GZT80** or **GZM80** + miniature relay **RM84** (**RM85**) + signalling / protecting module **type M...** + retainer / retractor clip **GZT80-0040** + description plate **GZT80-0035**. ❷ Also versions RM87. sensitive

Interconnection strip ZGGZ80

- designed for the co-operation with plug-in sockets of miniature relays and with interface relays PI84 and PI85, which are equipped with screw terminals; sockets and relays are mounted on 35 mm rail mount acc. to PN-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 8 sockets or relays,
- colours of strips: **ZGGZ80-1** grey, **ZGGZ80-2** black.



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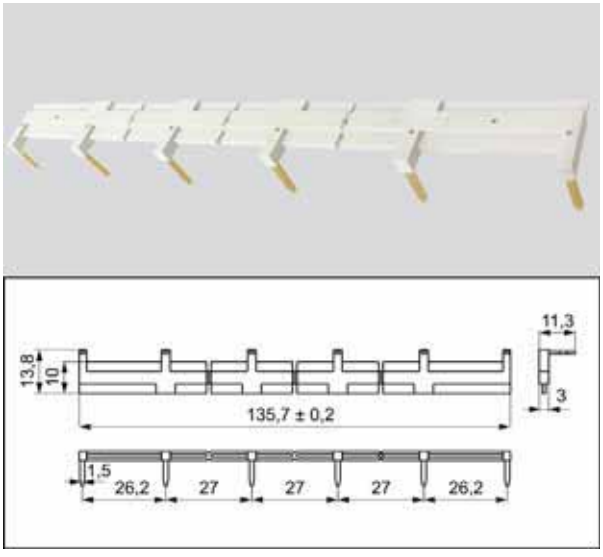
ZGGZ4 for:

Plug-in sockets	Relays for plug-in sockets	Interface relays ❸
GZT2	R2...WT	PIR2-...-00L. (GZM2 + R2...WT)
GZM2		PIR3-...-00L. (GZM3 + R3...WT)
GZT3	R3...WT	PIR4-...-00L. (GZM4 + R4...WT)
GZM3		
GZT4	R4...WT	
GZM4		

❸ Interface relay **PIR2** (**PIR3**, **PIR4**) is offered as a **set**: plug-in socket **GZM2** (**GZM3**, **GZM4**) + miniature industrial relay **R2** (**R3**, **R4**) + 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 PN-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.



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WT - mechanical indicator + lockable front test button; basic features of standard industrial relays: R2, R3, R4, R15 - 2 CO, 3 CO - for plug-in sockets. **Detailed information** for individual relays: see "Ordering codes - Additional features".

Type ❶	Description	For industrial relays
W	mechanical indicator	R2, R3, R4, R15 - 2 CO, 3 CO
T	lockable front test button, orange colour - AC coils, green colour - DC coils	R2, R3, R4, R15 - 2 CO, 3 CO
L	light indicator (LED diode), located inside the relay	R2, R3, R4, RY2, R15 - 2 CO, 3 CO, 4 CO RUC, RUC-M
D	surge suppression element (diode) - only for DC coils	R2, R3, R4, RY2, R15 - 2 CO, 3 CO, 4 CO
V	surge suppression element (varistor) - only for AC coils	R15 - 2 CO, 3 CO
K	test button without block function	R15 - 4 CO RUC

❶ Available combinations:
WT, WTL, WTD, WTLD - in relays R2, R3, R4 for plug-in sockets
L, D, LD - in relays RY2 for plug-in sockets
WT, WTL, WTD, WTLD, WTV, WTLV - 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

TEST BUTTONS type T



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Test buttons are recommended for R2...WT, R3...WT, R4...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.

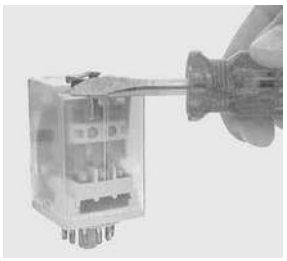


Fig. 1

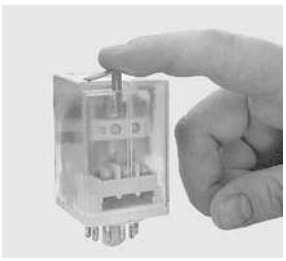
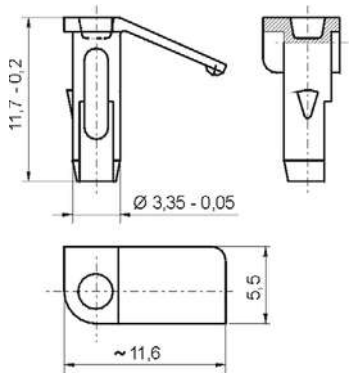


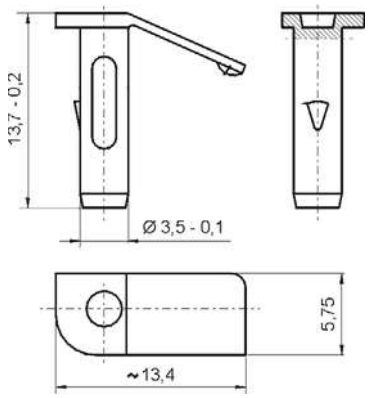
Fig. 2

Dimensions - test button **R4P-0001**
for relays **R2...WT**, **R3...WT**, **R4...WT**



Types of buttons:
R4P-0001-A - orange colour (AC coils)
R4P-0001-D - green colour (DC coils)

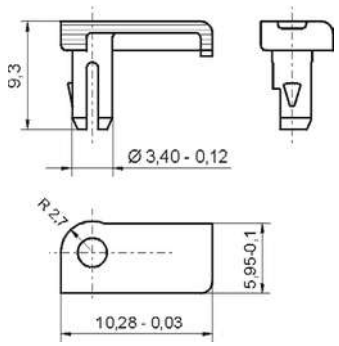
Dimensions - test button **R15-M404**
for relays **R15...WT - 2 CO, 3 CO**



Types of buttons:
R15-M404-A - orange colour (AC coils)
R15-M404-D - green colour (DC coils)

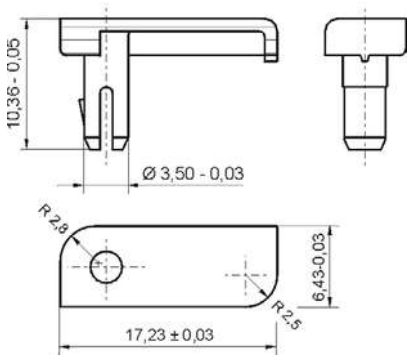
Plugs R4W-0003 or **R15-M203** can substitute button type **T if manual operation (latching and testing) is not allowed**. Changing button type **T** for plug can be done by Customer themselves in the same way as changing button type **T** for button (no latching).

Dimensions - plug **R4W-0003**
for relays **R2...WT**, **R3...WT**, **R4...WT**



Types of plugs:
R4W-0003-A - orange colour (AC coils)
R4W-0003-D - green colour (DC coils)

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

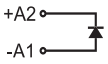
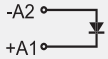
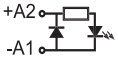
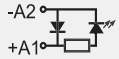
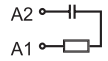
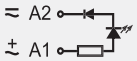
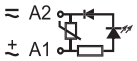
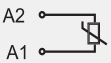
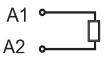


Types of plugs:
R15-M203-A - orange colour (AC coils)
R15-M203-D - green colour (DC coils)

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 ❶ ❷
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 24/60 V AC 110/240 V AC	M51 M52 M53
Module L Coil energizing indication.		6/24 V AC/DC 24/60 V AC/DC 110/230 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 110/230 V AC/DC	M91R, M91G M92R, M92G M93R, M93G
Module V It limits overvoltage on AC and DC coils. No indication.		24 V AC 130 V AC 230 V AC	M71 M72 M73
Module R It limits overvoltage on AC coils.		110/230 V AC	M103

❶ **M...R** - LED red, **M...G** - LED green
❷ When ordering modules indicate their color: gray or black.

MODULE type M...



LED red
M...R



LED green
M...G

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