

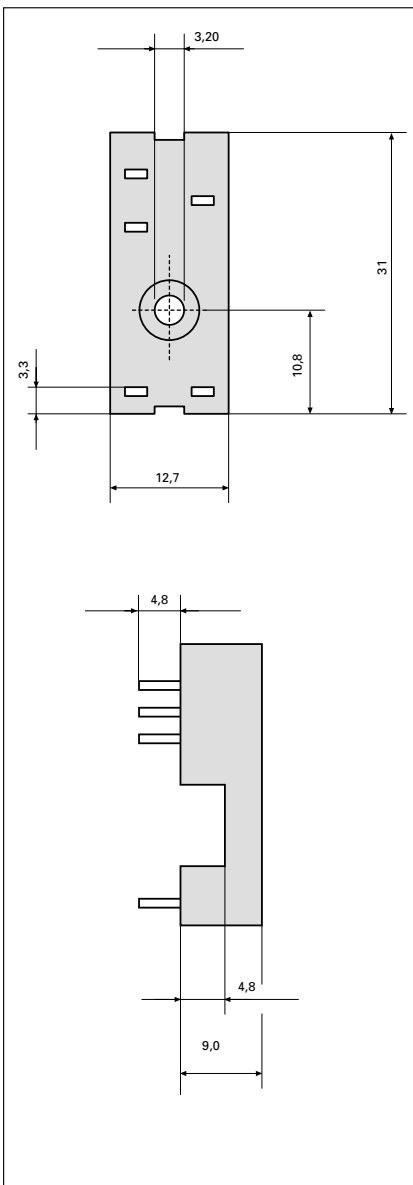


SGR xx2 – PCB mounting socket and accessories

Accessories

ZGR 014
Retaining clip

Dimensions drawing (mm)



Type of sockets

| | ZGR 001 | ZGR 002 | ZGR 003 |
|---------------|---|------------------------------|-------------------|
| Fits to relay | SGR 282, 242, 222 SGR 562, 542, 522 SGR 662, 642, 622 | SGR 362, 342, 322 SGR 762 | SGR 462, 442, 422 |
| Pin layout | 5,0 mm | 2,5 mm | 3,5 mm |

General data

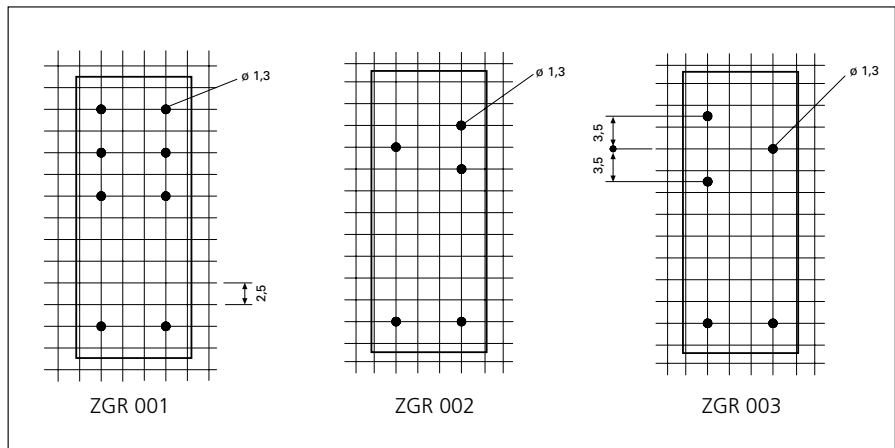
| | |
|--------------------------|--|
| Nominal data | 300 VAC 12 A |
| Test voltage | > 5.000 V _{eff} |
| Contact springs material | CuSn6 tin plated |
| Mounting | solder pin |
| Creeping resistance | CTI 250 |
| Weight | approx. 7 g |
| Mounting position | any |
| Ambient temperature | -40°C - +85°C |
| No. of pins | ZGR 001 8pin ZGR 002 5pin ZGR 003 5pin |
| Protection category | IP 30 |

Tests, regulations

| | |
|------------------|----------------------------|
| Approvals | UL, CSA |
| Insulation group | VDE 0110 / group C 250 VAC |

Drilling patterns (mm)

View from solder side



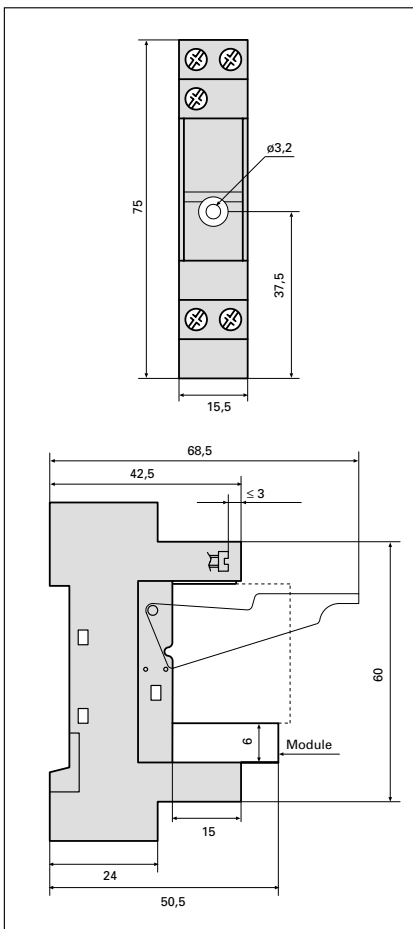


SGR xx2 – sockets with screw terminals and accessories

Accessories

- ZGE 010
- Retaining clip
- ZGE 011
- Label plate
- ZAE 011 - ZAE ...
- Modules (see page 49)

Dimensions drawing (mm)



| Type of sockets | ZGE 005 | ZGE 006 | ZGE 007 |
|-----------------|------------------------------|-------------------|---|
| Fits to relay | SGR 362, 342, 322 SGR 762 | SGR 462, 442, 422 | SGR 282, 242, 222 SGR 562, 542, 522 SGR 662, 642, 622 |
| Pin layout | 2,5 mm | 3,5 mm | 5,0 mm |

General data

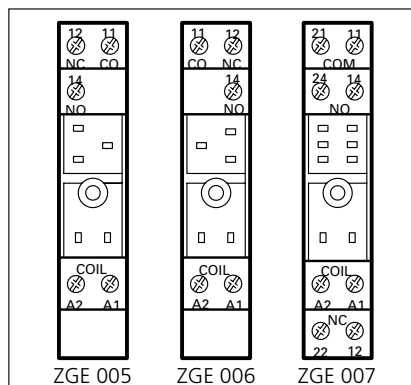
| | |
|--------------------------|--|
| Nominal data | 300 VAC 12 A |
| Test voltage | > 3.000 V _{eff} |
| Contact springs material | CuZn33 tin plated |
| Nominal torque on screws | 0,8 Nm |
| Max. torque on screws | 0,8 Nm |
| Terminals | combi screw M3 + Philips Gr.1 |
| Max. wire section | 2 x 2,5 mm ² compact wire 2 x 1,5 mm ² with cable end |
| Mounting | DIN rail 35 mm, EN 50022, central screw 1 x M3 |
| Creeping resistance | CTI 250 |
| Weight | approx. 39 g |
| Mounting position | any |
| Ambient temperature | -25°C - +85°C |
| No. of pins | ZGE 005 5pin ZGE 006 5pin ZGE 007 8pin |
| Terminals numbering | DIN EN 50011 |
| Protection category | IP 20 |

Tests, regulations

| | |
|------------------|----------------------------|
| Approvals | UL, CSA |
| Insulation group | VDE 0110 / group C 250 VAC |

Diagrams

View from above



Using DC modules + must be connected to A1!



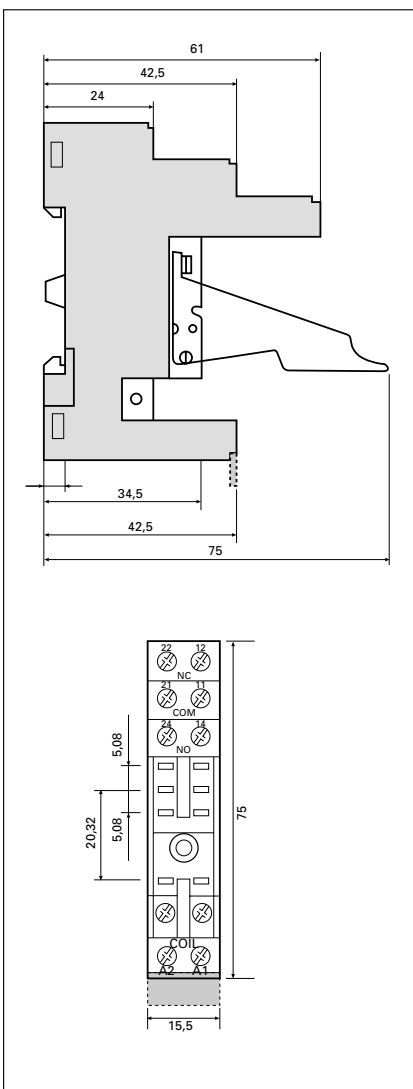
SGR xx2 – sockets with screw terminals and accessories

„Protective separation according to VDE 0106“ between coil and contacts

Accessories

ZGE 010
Retaining clip
ZGE 011
Label plate
ZAE 011 - ZAE ...
Modules (see next page)

Dimensions drawing (mm)



Type of sockets

| Type of sockets | ZGE 107 |
|-----------------|---|
| Fits to relay | SGR 282, 242, 222 SGR 562, 542, 522 SGR 662, 642, 622 |
| Pin layout | 5,0 mm |

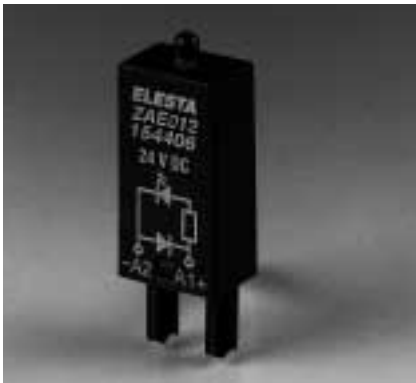
General data

| | |
|--------------------------|--|
| Nominal data | 300 VAC 12 A |
| Test voltage | > 3.000 V _{eff} |
| Contact springs material | CuZn33 tin plated |
| Nominal torque on screws | 0,8 Nm |
| Max. torque on screws | 0,8 Nm |
| Terminals | combi screw M3 + Philips Gr.1 |
| Max. wire section | 2 x 2,5 mm ² compact wire 2 x 1,5 mm ² with cable end |
| Mounting | DIN rail 35 mm, EN 50022, central screw 1 x M3 |
| Creeping resistance | CTI 250 |
| Weight | approx. 39 g |
| Mounting position | any |
| Ambient temperature | -25°C - +85°C |
| No. of pins | ZGE 107 8pin |
| Terminals numbering | DIN EN 50011 |
| Protection category | IP 20 |

Tests, regulations

| | |
|------------------|----------------------------|
| Approvals | UL, CSA |
| Insulation group | VDE 0110 / group C 250 VAC |

Using DC modules + must be connected to A1!



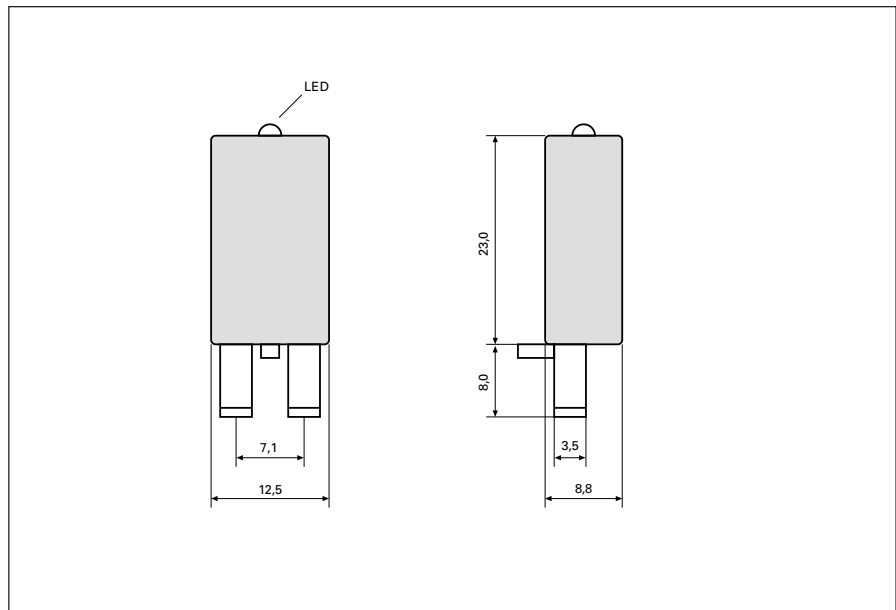
Modules for sockets with screw terminals

About the colour of the LED's:

According to EN 60073 the colour RED is used to indicate an alert or a dangerous situation.

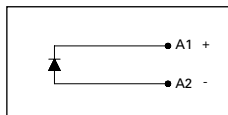
GREEN shows normal condition or a save situation. Therefore our modules with an LED indicator are available in red or green.

Dimensions drawing (mm)



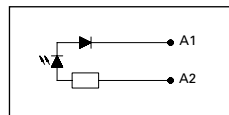
Diagrams

ZAE 011



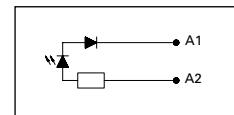
Diode 6-230 VDC

ZAE 023 (LED red) / 223 (LED green)



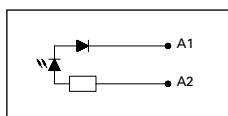
LED 6-24 VDC

ZAE 024 (LED red) / 224 (LED green)



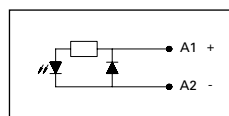
LED 24-60 VDC

ZAE 019 (LED red) / 219 (LED green)



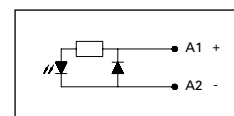
LED 110-230 VDC

ZAE 012 (LED red) / 212 (LED green)



LED + Chopper diode 6-24 VDC

ZAE 020 (LED red) / 220 (LED green)



LED + Chopper diode 24-60 VDC