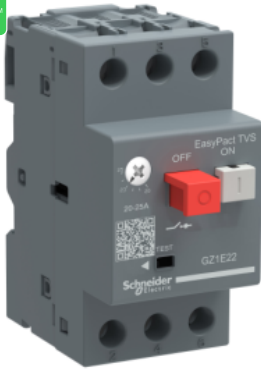


# Product datasheet

Specifications



## motor circuit breaker GZ1 - 3 poles 3d - 1.6..2.5A - thermomagnetic trip unit

GZ1E07

### Main

|                           |  |
|---------------------------|--|
| Range                     | EasyPact                                     |
| Product name              | EasyPact TVS                                 |
| Device short name         | GZ1E   |
| Product or component type | Circuit breaker                              |
| Device application        | Motor  |
| Trip unit technology      | Thermal-magnetic                             |
| Suitability for isolation | Yes conforming to IEC 60947-1 appendix 7.1.6 |
| Colour                    | Grey (RAL 7011)                              |

### Complementary

|   |  |
|---|--|
| Poles description                                   | 3P   |
| Network type  | AC   |
| Utilisation category                                | AC-3   |
| Network frequency                                   | 50/60 Hz conforming to IEC 60947-2   |
| Mounting mode                                       | By clips<br>By screws  |
| Mounting support                                    | Rail   |
| Mounting position                                   | Any position   |
| Motor power kW                                      | 0.37 kW at 230 V AC 50/60 Hz<br>0.55 kW at 400 V AC 50/60 Hz<br>0.75 kW at 440 V AC 50/60 Hz<br>1.1 kW at 500 V AC 50/60 Hz<br>1.5 kW at 690 V AC 50/60 Hz   |
| Breaking capacity                                   | Icu: >= 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu: >= 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu: >= 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu: >= 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu: 2 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Control type  | Push-button  |
| Thermal protection adjustment range                 | 1.6...2.5 A  |
| Magnetic tripping current                           | 33.5 A   |

|   |   |
|---|---|
| <b>[Ue] rated operational voltage</b>         | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| <b>[Ui] rated insulation voltage</b>          | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| <b>[Uimp] rated impulse withstand voltage</b> | 6 kV conforming to IEC 60947-2  |
| <b>Power dissipation</b>                      | 2.5 W (per pole)  |
| <b>Mechanical durability</b>                  | 100000 cycles   |
| <b>Electrical durability</b>                  | 100000 cycles for AC-3  |
| <b>Maximum operating rate</b>                 | 25 cyc/h  |
| <b>Connections - terminals</b>                | Screw clamp terminals 2 1...6 mm <sup>2</sup> - cable stiffness: solid<br>Screw clamp terminals 2 1.5...6 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end |
| <b>Height</b>                                 | 89 mm   |
| <b>Width</b>                                  | 44.5 mm   |
| <b>Depth</b>                                  | 78 mm   |
| <b>Net weight</b>                             | 0.26 kg   |

## Environment

|  |                                    |
|--|------------------------------------|
| <b>Standards</b>                             | IEC 60947-2<br>IEC 60947-4         |
| <b>Protective treatment</b>                  | TH                                 |
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529       |
| <b>Ambient air temperature for operation</b> | -20...60 °C                        |
| <b>Ambient air temperature for storage</b>   | -40...80 °C                        |
| <b>Fire resistance</b>                       | 960 °C conforming to IEC 60695-2-1 |
| <b>Operating altitude</b>                    | 2000 m                             |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Height</b>             | 8.5 cm   |
| <b>Package 1 Width</b>              | 4.8 cm   |
| <b>Package 1 Length</b>             | 9 cm     |
| <b>Package 1 Weight</b>             | 246 g    |
| <b>Unit Type of Package 2</b>       | S02      |
| <b>Number of Units in Package 2</b> | 24       |
| <b>Package 2 Height</b>             | 15 cm    |
| <b>Package 2 Width</b>              | 30 cm    |
| <b>Package 2 Length</b>             | 40 cm    |
| <b>Package 2 Weight</b>             | 6.288 kg |
| <b>Unit Type of Package 3</b>       | P06      |
| <b>Number of Units in Package 3</b> | 384      |
| <b>Package 3 Height</b>             | 77 cm    |
| <b>Package 3 Width</b>              | 80 cm    |
| <b>Package 3 Length</b>             | 60 cm    |

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Package 3 Weight 112.164 kg

## Offer Sustainability

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|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| RoHS exemption information | Yes   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Recommended replacement(s)