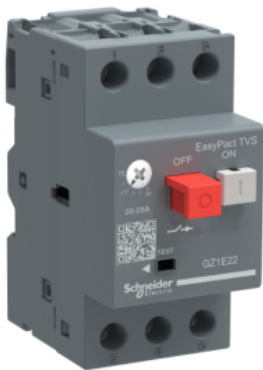


Product datasheet

Specifications



motor circuit breaker GZ1 - 3 poles
3d - 24..32A - thermomagnetic trip
unit

GZ1E32

Main

| | |
|---------------------------|--|
| Range | Easy TeSys |
| Range of product | Easy TeSys Power |
| Product or component type | Circuit breaker |
| Device short name | GZ1E |
| 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 By screws |
| Mounting support | Rail |
| Mounting position | Any position |
| Motor power kW | 22 kW at 690 V AC 50/60 Hz 7.5 kW at 230 V AC 50/60 Hz 15 kW at 400 V AC 50/60 Hz 15 kW at 440 V AC 50/60 Hz 18.5 kW at 500 V AC 50/60 Hz |
| Breaking capacity | Icu: 2 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 10 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 30 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 3 kA at 500 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 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 40 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Control type | Push-button |
| Thermal protection adjustment range | 24...32 A |
| Magnetic tripping current | 416 A |

| | |
|--|---|
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Power dissipation | 2.5 W (per pole) |
| Mechanical durability | 100000 cycles |
| Electrical durability | 100000 cycles for AC-3 |
| Maximum operating rate | 25 cyc/h |
| Connections - terminals | Screw clamp terminals 2 1...6 mm² - cable stiffness: solid Screw clamp terminals 2 1.5...6 mm² - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 mm² - cable stiffness: flexible with cable end |
| Height | 89 mm |
| Width | 44.5 mm |
| Depth | 78 mm |
| Net weight | 0.26 kg |

Environment

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

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.8 cm |
| Package 1 Width | 8.5 cm |
| Package 1 Length | 9.1 cm |
| Package 1 Weight | 272 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 6.905 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 384 |
| Package 3 Height | 77 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 60 cm |

| | |
|------------------|------------|
| Package 3 Weight | 120.228 kg |
|------------------|------------|

Offer Sustainability

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

Recommended replacement(s)