Product datasheet

Specifications





Motor circuit breaker,Easy TeSys Power,GZ1E,AC-3,3P, 17..23A,thermal magnetic trip

GZ1E21

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

| oompicinentai y | |
|--|--|
| 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 | 5.5 kW at 230 V AC 50/60 Hz 9 kW at 400 V AC 50/60 Hz 11 kW at 440 V AC 50/60 Hz 11 kW at 500 V AC 50/60 Hz 18.5 kW at 690 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 | 1723 A |
| Magnetic Tripping Current | 327 A |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |

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| [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 16 mm ² - cable stiffness: solid Screw clamp terminals 2 1.56 mm ² - cable stiffness: flexible without cable end Screw clamp terminals 2 14 mm ² - cable stiffness: flexible with cable end | |
| Height | 89 mm | |
| Width | 44.5 mm | |
| Depth | 78 mm | |
| Net Weight | 0.26 kg | |

Environment

| Standards | IEC 60947-4 IEC 60947-2 |
|--|------------------------------------|
| Protective Treatment | тн |
| Ip Degree Of Protection | IP20 conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -2060 °C |
| Ambient Air Temperature For Storage | -4080 °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 | 8.4 cm |
| Package 1 Width | 4.7 cm |
| Package 1 Length | 9 cm |
| Package 1 Weight | 277 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 | 7.012 kg |

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |