

Product datasheet

Specifications



motor circuit breaker GZ1 - 3 poles 3d - 9..14A - thermomagnetic trip unit

GZ1E16

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 | 5.5 kW at 400 V AC 50/60 Hz 5.5 kW at 440 V AC 50/60 Hz 9 kW at 500 V AC 50/60 Hz 11 kW at 690 V AC 50/60 Hz |
| Breaking capacity | Icu: \geq 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu: \geq 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu: \geq 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: \geq 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu: \geq 100 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 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 400/415 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 |
| Control type | Push-button |
| Thermal protection adjustment range | 9...14 A |
| Magnetic tripping current | 170 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 mm ² - cable stiffness: solid Screw clamp terminals 2 1.5...6 mm ² - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 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 | 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 | 4.500 cm |
| Package 1 Width | 8.500 cm |
| Package 1 Length | 9.000 cm |
| Package 1 Weight | 274.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 6.909 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 384 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 60.000 cm |
| Package 3 Length | 80.000 cm |
| Package 3 Weight | 115.000 kg |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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](#)


Offer Marketing Illustration

Product benefits / Features


Easy TeSys Motor Circuit Breakers




Designed for the essential
Designed to deliver essential control & protection, providing the right balance between performance and cost without quality compromise



Easy choice and application
Easier to install, order and understand, operates with multi-standard screws



Cost-effective
Provides a cost-effective solution to simple light duty applications



Offer Marketing Illustration

Product benefits / Features



Easy TeSys Motor
Circuit Breakers
Range Accessories

Contact blocks

Auxiliary contact

Mounting accessories


Manual starter enclosure

Manual starter padlocking

The image displays a collection of accessories for Easy TeSys Motor Circuit Breakers. At the top left is a grey motor circuit breaker. Below it, the text 'Easy TeSys Motor Circuit Breakers Range Accessories' is shown. The accessories are arranged in two rows. The first row includes 'Contact blocks' (a white rectangular component) and 'Auxiliary contact' (a vertical white component). The second row includes 'Mounting accessories' (a stack of white components), 'Manual starter enclosure' (two white rectangular enclosures), and 'Manual starter padlocking' (a yellow padlock).

Offer Marketing Illustration

Product benefits / Features



The image shows a Schneider Easy TeSys Motor Circuit Breaker (GZ1E16) in a dark grey plastic housing. It features a red emergency stop button, a grey push button, and a black rotary selector switch. The front panel has a QR code, a small indicator light, and technical markings including 'Schneider Electric', 'Easy TeSys Motor', and 'GZ1E16'. The device is mounted on a green circular graphic.

Easy TeSys Motor Circuit Breakers

Technical Benefits

- Specifically designed for the control and protection of motors conforming to standards IEC 60947-2 and IEC 60947-4-1.
- Thermal-magnetic or magnetic protection
- Push button control
- One size from 0.37 to 15 Kw under 440V
- Icu breaking capacity up to 100 kA
- One size from 0.1A to 32A, Width = 44.5 mm

Technical Illustration

Assembly's dimensions

