

# Product datasheet

Specifications



## motor circuit breaker GZ1 - 3 poles 3d - 0.63..1A - thermomagnetic trip unit

GZ1E05

### 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 screws By clips
Mounting support	Rail
Mounting position	Any position
Motor power kW	0.37 kW at 500 V AC 50/60 Hz 0.55 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 Icu: >= 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu: >= 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: >= 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu: >= 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 60947-2 100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
Thermal protection adjustment range	0.63...1 A
Magnetic tripping current	13 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

<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 Screw clamp terminals 2 1.5...6 mm <sup>2</sup> - cable stiffness: flexible without cable end 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 60947-4 IEC 60947-2
<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>	4.800 cm
<b>Package 1 Width</b>	8.400 cm
<b>Package 1 Length</b>	9.000 cm
<b>Package 1 Weight</b>	218.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	5.572 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	384
<b>Package 3 Height</b>	75.000 cm
<b>Package 3 Width</b>	60.000 cm
<b>Package 3 Length</b>	80.000 cm
<b>Package 3 Weight</b>	97.655 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-CO<sub>2</sub> 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


---



Offer Marketing Illustration

Product benefits / Features

---



The image shows a Schneider Easy TeSys Motor Circuit Breaker (GZ1E05). It is a grey, rectangular device with a red push button on the front. The front panel features a QR code, a small red indicator light, and a white rocker switch. The top and bottom of the device have terminal blocks for electrical connections. The Schneider logo and 'Easy TeSys Motor GZ1E05' are printed on the front.

### 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

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



Technical Illustration

Assembly's dimensions

---

