

# Product datasheet

Specifications



## motor circuit breaker GZ1 - 3 poles 3d - 20..25A - thermomagnetic trip unit

GZ1E22

### 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	5.5 kW at 230 V AC 50/60 Hz 11 kW at 440 V AC 50/60 Hz 11 kW at 400 V AC 50/60 Hz 15 kW at 500 V AC 50/60 Hz 22 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	20...25 A
Magnetic Tripping Current	327 A
[Ue] Rated Operational Voltage	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 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>	8.4 cm
<b>Package 1 Width</b>	4.7 cm
<b>Package 1 Length</b>	9 cm
<b>Package 1 Weight</b>	275 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>	6.991 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](#)