Product datasheet

Specifications





motor circuit breaker GZ1 - 3 poles 3d - 4..6.3A - thermomagnetic trip unit

GZ1E10

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

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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	1.1 kW at 230 V AC 50/60 Hz 2.2 kW at 400 V AC 50/60 Hz 3 kW at 440 V AC 50/60 Hz 3.7 kW at 500 V AC 50/60 Hz 4 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: 2 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 30 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 60947-2 100 % 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 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
Thermal protection adjustment range	46.3 A
Magnetic tripping current	78 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	
	030 V AC 30/00 TIZ COMOTHING to IEC 00347-2	
[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 mm² - cable stiffness: solid Screw clamp terminals 2 1.56 mm² - cable stiffness: flexible without cable end Screw clamp terminals 2 14 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	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

PCE
1
4.500 cm
8.500 cm
9.000 cm
257.000 g
S02
24
15.000 cm
30.000 cm
40.000 cm
6.524 kg
P06
384
75.000 cm
60.000 cm
80.000 cm

Package 3 Weight

114.024 kg

Sustainability Green 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

17-Sept-2024

Offer Marketing Illustration

Product benefits / Features



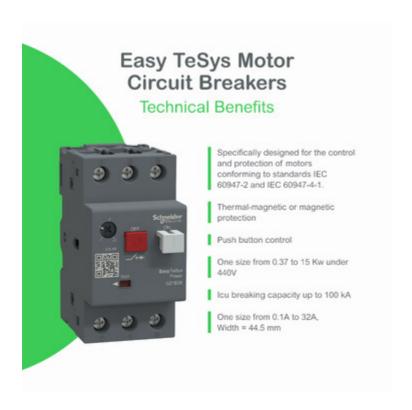
Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions

