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

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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 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	0.631 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

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 60947-4 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

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.800 cm
Package 1 Width	8.400 cm
Package 1 Length	9.000 cm
Package 1 Weight	218.000 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	5.572 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	97.655 kg



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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



Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions



