Product datasheet

Specifications

Green Premium™

Motor circuit breaker,Easy TeSys Power,GZ1E,AC-3,3P, 0.63..1A,thermal magnetic trip

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 mm² - cable stiffness: solid Screw clamp terminals 2 1.5…6 mm² - cable stiffness: flexible without cable end Screw clamp terminals 2 1…4 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	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	8.5 cm
Package 1 Width	4.8 cm
Package 1 Length	9 cm
Package 1 Weight	217 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	24
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	5.58 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	384
Package 3 Height	77 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	101.412 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_2 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