The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

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.

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Jan 28, 2016

1

Product data sheet

Characteristics

GZ1E07

motor circuit breaker GZ1 - 3 poles 3d -

1.6..2.5A - thermomagnetic trip unit

Main

Range EasyPact

Product name EasyPact TVS

Device short name GZ1E

Product or component

type

Circuit breaker

Device application Motor

Trip unit technology Thermal-magnetic

Suitability for isolation Yes conforming to IEC 60947-1 appendix 7.1.6

Complementary

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 1.5 kW at 690 V AC 50/60 Hz

1.1 kW at 500 V AC 50/60 Hz

0.75 kW at 440 V AC 50/60 Hz

0.55 kW at 400 V AC 50/60 Hz

0.37 kW at 230 V AC 50/60 Hz

Breaking capacity Icu : 2 kA at 690 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 440 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 230/240 V AC 50/60 Hz conforming to IEC 60947-2

[Ics] rated service short-circuit breaking capacity 75 % at 690 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 440 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 230/240 V AC 50/60 Hz conforming to IEC 60947-2

Control type Push-button

Thermal protection adjustment range 1.6...2.5 A

Magnetic tripping current 33.5 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 AC-3

Operating rate 25 cyc/h

Connections - terminals Screw clamp terminals:[Sapce] 2 cable(s) of 1...4 mm² (flexible)[Sapce] with ca-

ble end

Screw clamp terminals:[Sapce] 2 cable(s) of 1.5...6 mm² (flexible)[Sapce] without

cable end

Screw clamp terminals:[Sapce] 2 cable(s) of 1...6 mm² (solid)[Sapce]

Tightening torque 1.7 N.m screw clamp terminals

Height 89 mm

2

Width 44.5 mm

Depth 88 mm

Product weight 0.26 kg

Environment

Standards IEC 60947-2

IEC 60947-4

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

Offer Sustainability

Sustainable offer status Not Green Premium product

RoHS (date code: YYWW)

Compliant - since 1301 - Schneider Electric declaration of conformity

REACh Reference not containing SVHC above the threshold