Product data sheet

Specifications

Motor circuit breaker, TeSys GV4, 3P, 2A, Icu 100kA, thermal magnetic multifunction, UL489

GV4PB02S

Main

Range Of Product	TeSys GV4
Range	TeSys Deca TeSys Deca
Device Short Name	GV4PB
Product Name	TeSys GV4 TeSys Deca
Product Or Component Type	Motor circuit breaker
Device Application	Motor protection
Trip Unit Technology	Thermal-magnetic Electronic

Complementary

Poles Description	3P
Utilisation Category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Operating Position	Any position
Breaking Capacity	100 kA SCCR at 240 V AC 60 Hz conforming to UL 489 65 kA SCCR at 480Y/277 V AC 60 Hz conforming to UL 489 25 kA SCCR at 600Y/347 V AC 60 Hz conforming to UL 489 120 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 18 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Short-Circuit Breaking Capacity	100 % at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 380/415 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 525 V AC 50/60 Hz conforming to IEC 60947-2 25 % at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Control Type	Toggle
[In] Rated Current	2 A
Magnetic Tripping Current	34 A
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2 600Y/347 V AC 60 Hz conforming to UL 489
[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Ith] Conventional Free Air Thermal Current	115 A conforming to IEC 60947-4-1
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
Power Dissipation Per Pole	4.6 W

Mechanical Durability	40000 cycles
Electrical Durability	40000 cycles for AC-3 at 440 V In/2 40000 cycles for AC-3 at 440 V In
Maximum Operating Rate	25 cyc/h
Rated Duty	Continuous conforming to IEC 60947-4-1
Connections - Terminals	EverLink BTR screw connectors (top) 1 cable(s) 1.5…70 mm² - rigid EverLink BTR screw connectors (top) 1 cable(s) 1.5…50 mm² - flexible EverLink BTR screw connectors (bottom) 1 cable(s) 2.5…95 mm² - rigid EverLink BTR screw connectors (bottom) 1 cable(s) 2.5…70 mm² - flexible
Tightening Torque	9 N.m for cable 16…95 mm² 5 N.m for cable 1.5…10 mm²
Mechanical Robustness	Vibrations: +/- 1 mm 2...13.2 Hz conforming to IEC 60068-2-6 Vibrations: 0.7 gn 13.2...100 Hz conforming to IEC 60068-2-6 Shocks: 15 gn 11 ms conforming to IEC 60068-2-27
Phase Failure Sensitivity	Yes conforming to IEC 60947-4-1
Height	171 mm
Width	81 mm
Depth	116 mm
Net Weight	1.45 kg
Colour	Grey (RAL 7016)
Suitability For Isolation	Yes conforming to IEC 60947-1

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 UL 489 CSA C22.2 No 5
Product Certifications	IEC UL CSA
Climatic Withstand	conforming to IACS E10
Ik Degree Of Protection	IK07 conforming to IEC 62262
Pollution Degree	3
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ambient Air Temperature For Storage	-50…85 °C
Fire Resistance	960 °C conforming to IEC 60695-2-11
Operating Altitude	5000 m
Ambient Air Temperature For Operation	-25…70 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.176 cm
Package 1 Width	16.764 cm
Package 1 Length	21.844 cm
Package 1 Weight	1.724 kg

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Unit Type Of Package 2	S03
Number Of Units In Package 2	5
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.5 kg

Contractual warranty

Warranty	18 months

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

✔ Pvc Free

✔ Halogen Free Plastic Parts Product

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