

GV2L05

TeSys GV2 - Circuit breaker - magnetic - 1 A - screw clamp terminals



Main

Commercial Status	Commercialised
Range of product	TeSys GV2
Device short name	GV2L
Product or component type	Circuit breaker
Circuit breaker application	Motor protection
Poles description	3P
Network type	AC
Utilisation category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-2
Breaking capacity	I _{cu} = 100 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[I _{cs}] rated service short-circuit breaking capacity	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 230/240 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
Trip unit rating	1 A
Trip unit technology	Magnetic
Magnetic tripping current	13 A

Complementary

Mounting mode	By clips By screws
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Motor power kW	0.75 kW at 690 V AC 50/60 Hz 0.55 kW at 690 V AC 50/60 Hz 0.37 kW at 500 V AC 50/60 Hz 0.37 kW at 400/415 V AC 50/60 Hz 0.25 kW at 400/415 V AC 50/60 Hz
Control type	Rotary knob
[U _e] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[U _i] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[U _{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
Power dissipation per pole	1.8 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles for AC-3 at 415 V

Operating rate	40 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	Screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm ² - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm ² - cable stiffness : solid
Tightening torque	1.7 N.m - on screw clamp terminals
Mechanical robustness	Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6 Shocks 30 Gn conforming to IEC 60068-2-27
Suitability for isolation	Yes conforming to IEC 60947-1
Height	89 mm
Width	45 mm
Depth	97 mm
Product weight	0.33 kg

Environment

Standards	EN 60204 IEC 60947-1 IEC 60947-2 NF C 63-120 NF C 63-650 NF C 79-130 VDE 0113 VDE 0660
Product certifications	BV CCC CSA DNV GL RINA LROS
Protective treatment	TH
IK degree of protection	IK04
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

Contractual warranty

Period	18 months
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