



Main

Range	TeSys
Product name	GV2
Device short name	GV2PM
Product or component type	Circuit breaker
Device application	Motor
Poles description	3P

Complementary

Network type	AC
Network frequency	50/60 Hz IEC 60947-2
Control type	Rotary knob
Mounting support	Rail
Mounting position	Horizontal Vertical
Motor power kW	9 kW 440 V AC 50/60 Hz 9 kW 415 V 7.5 kW 400 V 4 kW 230 V
[In] rated current	18 A
Trip unit technology	Thermal-magnetic
Magnetic tripping current	223 A
Thermal protection adjustment range	13...18 A
Suitability for isolation	Yes (conforming to IEC 60947-1 § 7-1-6)
Resistance to mechanical impact	0.5 J IK04
Phase failure sensitivity	Yes (conforming to IEC 60947-4-1 § 7-2-1-5-2)
Utilisation category	AC-3 (conforming to IEC 60947-4-1) Category A (conforming to IEC 60947-2)
[Ue] rated operational voltage	690 V (conforming to IEC 60947-2)
[Ui] rated insulation voltage	600 V AC (conforming to UL 508) 690 V AC (conforming to IEC 60947-2) 600 V AC (conforming to CSA C22.2 No 14)
[Ith] conventional free air thermal current	17 A IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV (conforming to IEC 947-2)
Power dissipation per pole	2.5 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles (AC-3 440 V In) 100000 cycles (AC-3 440 V In/2)
Maximum number of switchings	25 cyc/h
Rated duty	Continuous (conforming to IEC 60947-4-1)
Connections - terminals	Power circuit : screw clamp terminal , 2 x 1...6 mm ² , rigid without cable end Power circuit : screw clamp terminal , 2 x 1.5...6 mm ² , flexible without cable end Power circuit : screw clamp terminal , 2 x 1...4 mm ² , flexible with cable end
Tightening torque	1.7 N.m[Sapce], screw clamp terminal 1...4 mm ² , 1.7 N.m[Sapce], screw clamp terminal 1...6 mm ² , 1.7 N.m[Sapce], screw clamp terminal 1.5...6 mm ² ,

Breaking capacity	>= 100 kA (230/240 V , conforming to IEC 60947-2) 50/60 Hz 3 kA (690 V , conforming to IEC 60947-2) 50/60 Hz 15 kA (400/415 V , conforming to IEC 60947-2) 50/60 Hz 8 kA (440 V , conforming to IEC 60947-2) 50/60 Hz 6 kA (500 V , conforming to IEC 60947-2) 50/60 Hz
[Ics] rated service short-circuit breaking capacity	75 % IEC 60947-2 690 V AC 50/60 Hz 50 % IEC 60947-2 400/415 V AC 50/60 Hz 50 % IEC 60947-2 440 V AC 50/60 Hz 75 % IEC 60947-2 500 V AC 50/60 Hz
Height	89 mm
Width	44.5 mm
Depth	91 mm
Product weight	0.26 kg

Environment

Standards	IEC 60947-1 IEC 60947-2 IEC 60947-4-1 GB 14048.4
Product certifications	CCC
Protective treatment	TH
IP degree of protection	IP20 (open mounted , conforming to IEC 60529)
Mechanical robustness	Shocks 11 ms 30 Gn IEC 60068-2-27 Vibrations 5 Gn, 5...150 Hz IEC 60068-2-6
Ambient air temperature for operation	-20...60 °C open mounted -20...40 °C in enclosure
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	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0727 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations