



Main

Range	TeSys Deca
Product name	TeSys 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 conforming to IEC 60947-2
Control type	Rotary knob
Mounting support	Rail
Mounting position	Vertical Horizontal
Motor power kW	0.00...0.37 kW at 230 V AC 50/60 Hz 0.00...0.37 kW at 400 V AC 50/60 Hz 0.00...0.37 kW at 415 V AC 50/60 Hz 0.00...0.37 kW at 440 V AC 50/60 Hz
[In] rated current	1.6 A
Trip unit technology	Thermal-magnetic
Magnetic tripping current	1.2 A
Thermal protection adjustment range	0.1...0.16 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	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
[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 60947-2 600 V AC 50/60 Hz conforming to UL 508 600 V AC 50/60 Hz conforming to CSA C22.2 No 14
[Ith] conventional free air thermal current	0.16 A conforming to 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 for AC-3 at 440 V In 100000 cycles for AC-3 at 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 1...6 mm ² - cable stiffness: rigid without cable end Power circuit: screw clamp terminal 2 1.5...6 mm ² - cable stiffness: flexible without cable end Power circuit: screw clamp terminal 2 1...4 mm ² - cable stiffness: flexible with cable end

Tightening torque	1.7 N.M - on screw clamp terminal - cable 1...4 mm ² 1.7 N.M - on screw clamp terminal - cable 1...6 mm ² 1.7 N.m - on screw clamp terminal - cable 1.5...6 mm ²
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
Height	89 mm
Width	44.5 mm
Depth	91 mm
Net weight	0.26 kg

Environment


Standards	GB 14048.4 IEC 60947-1 IEC 60947-2 IEC 60947-4-1
Product certifications	CCC[RETURN]UKCA[RETURN]CE
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529 (open mounted)
Mechanical robustness	Shocks 11 ms (30 Gn) conforming to IEC 60068-2-27 Vibrations (5 Gn, 5...150 Hz) conforming to IEC 60068-2-6
Ambient air temperature for operation	-20...40 °C in enclosure -20...60 °C open mounted
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	9.7 cm
Package 1 Width	5.1 cm
Package 1 Length	9.1 cm
Package 1 Weight	255.9 g
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.51 kg
Unit Type of Package 3	P06
Number of Units in Package 3	400
Package 3 Height	90.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	120.2 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile

Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins