



### Main

Range	TeSys
Product name	TeSys GV4
Device short name	GV4P
Product or component type	Multifunction circuit breaker
Device application	Motor
Poles description	3P
Utilisation category	Category A
Trip unit technology	Thermal-magnetic Electronic
Protection type	Overload Ground fault protection Locked rotor Short time short-circuit protection Long start Jam Phase loss Phase unbalance Short-circuit
Motor tripping class	20 10
[In] rated current	80 A
Breaking capacity	100 kA at 208Y/120 V AC 50/60 Hz according to UL 60947 100 kA at 240 V AC 50/60 Hz according to UL 60947 65 kA at 480Y/277 V AC 50/60 Hz according to UL 60947 [Icu] : 120 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 100 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 70 kA at 440 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 30 kA at 500 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 18 kA at 525 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 10 kA at 660...690 V AC 50/60 Hz according to IEC 60947-2 25 kA at 600Y/347 V AC 50/60 Hz according to UL 60947
[Ics] rated service breaking capacity	30 kA : at 500 V AC 50/60 Hz according to IEC 60947-2 120 kA : at 220...240 V AC 50/60 Hz according to IEC 60947-2 100 kA : at 380...415 V AC 50/60 Hz according to IEC 60947-2

Disclaimer: 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

70 kA : at 440 V AC 50/60 Hz according to IEC 60947-2  
 18 kA : at 525 V AC 50/60 Hz according to IEC 60947-2  
 2.5 kA : at 660...690 V AC 50/60 Hz according to IEC 60947-2

Trip unit rating	40...80 A
Control type	Toggle

## Complementary

Communication port protocol	NFC
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Motor power kW	22 kW at 400...415 V AC 50/60 Hz 30 kW at 400...415 V AC 50/60 Hz 30 kW at 500 V AC 50/60 Hz 37 kW at 400...415 V AC 50/60 Hz 37 kW at 500 V AC 50/60 Hz 37 kW at 660...690 V AC 50/60 Hz 45 kW at 500 V AC 50/60 Hz 45 kW at 660...690 V AC 50/60 Hz 55 kW at 660...690 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV according to IEC 60947-2
[U <sub>i</sub> ] rated insulation voltage	800 V conforming to IEC 60947-2
Mounting mode	By clips By screws
Mounting support	75 mm symmetrical DIN rail Plate 35 mm symmetrical DIN rail
Suitability for isolation	Yes according to IEC 60947-1
Mechanical durability	40000 cycles
Electrical durability	14000 cycles for AC-3 at 440 V I <sub>n</sub> /2 7000 cycles for AC-3 at 440 V I <sub>n</sub>
Local signalling	Green flag for presence of auxiliary contacts
Number of slots	1 slot(s) for alarm switch fault signalling contact (plug-in) 1 slot(s) for voltage release electrical remote tripping (plug-in) 1 slot(s) for auxiliary switch open/close contact (plug-in)
Connection pitch	27 mm
Connections - terminals	EverLink BTR screw connectors - location: top socket 1 cable(s) 1.5...70 mm <sup>2</sup> (solid) EverLink BTR screw connectors - location: top socket 1 cable(s) 1.5...50 mm <sup>2</sup> (flexible) EverLink BTR screw connectors - location: bottom socket 1 cable(s) 2.5...95 mm <sup>2</sup> (solid) EverLink BTR screw connectors - location: bottom socket 1 cable(s) 2.5...70 mm <sup>2</sup> (flexible)
Tightening torque	9 N.m for 16...95 mm <sup>2</sup> 5 N.m for 1.5...10 mm <sup>2</sup>
Wire stripping length	20 mm
Quality labels	CE
Standards	UL 60947-4-1 CSA C22.2 No 60947-4-1 EN/IEC 60947-4-1 EN/IEC 60947-2
Height	155 mm
Width	81 mm
Depth	116 mm
Product weight	1.45 kg
Colour	Grey (RAL 7016)

## Environment

Product certifications	IEC
Tropicalisation	2 according to IEC 68-2
IP degree of protection	IP40 (front face) according to IEC 60529
IK degree of protection	IK07 according to IEC 62262
Pollution degree	3 according to IEC 60947-1
Mechanical robustness	Shocks 15 Gn for 11 ms according to IEC 60068-2-27 Vibrations +/- 1 mm for 2...13.2 Hz according to IEC 60068-2-6

Vibrations 0.7 gn for 13.2...100 Hz according to IEC 60068-2-6

Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	> 2000...5000 m with derating 2000 m without derating

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1736 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available <a href="#">End of life manual</a>