



Main

Range	TeSys
Product name	TeSys GV3
Device short name	GV3L
Product or component type	Circuit breaker
Device application	Motor
Poles description	3P
Network type	AC
Utilisation category	AC-3 conforming to IEC 60947-4-1 Category A conforming to IEC 60947-2
Network frequency	50/60 Hz
Breaking capacity	50 kA Icu at 400/415 V AC 50/60 Hz 6 kA Icu at 690 V AC 50/60 Hz 12 kA Icu at 500 V AC 50/60 Hz 50 kA Icu at 440 V AC 50/60 Hz 100 kA Icu at 230/240 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	50 % at 690 V AC 50/60 Hz 50 % at 500 V AC 50/60 Hz 100 % at 440 V AC 50/60 Hz 100 % at 400/415 V AC 50/60 Hz 100 % at 230/240 V AC 50/60 Hz
Trip unit rating	50 A
Trip unit technology	Magnetic
Magnetic tripping current	700 A

Complementary

Mounting mode	By clips By screws
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Motor power kW	45 kW at 690 V AC 50/60 Hz 30 kW at 500 V AC 50/60 Hz 22 kW at 400/415 V AC 50/60 Hz
Control type	Rotary knob
[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
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
Electrical durability	50000 cycles for AC-3 at 415 V
Operating rate	25 cyc/h
Connections - terminals	EverLink BTR screw connectors 2 cable(s) 1...25 mm ² - cable stiffness : flexible - with cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm ² - cable stiffness : flexible - without cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm ² - cable stiffness : solid
Tightening torque	5...8 N.m - on EverLink BTR screw connectors- cable 35 mm ² 5 N.m - on EverLink BTR screw connectors- cable 25 mm ²
Mechanical robustness	Vibrations 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks opened 30 Gn for 11 ms conforming to IEC 60068-2-27 Shocks closed 15 Gn for 11 ms conforming to IEC 60068-2-27
Suitability for isolation	Yes conforming to IEC 60947-1
Height	132 mm

Width	55 mm
Depth	136 mm
Product weight	0.96 kg

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
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	3000 m