



## Main

Range of product	TeSys GV3
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	100 kA Icu at 230/240 V AC 50/60 Hz 50 kA Icu at 400/415 V AC 50/60 Hz 50 kA Icu at 440 V AC 50/60 Hz 12 kA Icu at 500 V AC 50/60 Hz 6 kA Icu at 690 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	100 % at 230/240 V AC 50/60 Hz 100 % at 400/415 V AC 50/60 Hz 50 % at 690 V AC 50/60 Hz 50 % at 500 V AC 50/60 Hz 100 % at 440 V AC 50/60 Hz
Trip unit rating	65 A
Trip unit technology	Magnetic
Magnetic tripping current	910 A

## Complementary

Mounting mode	By screws By clips
Mounting support	Rail Plate
Mounting position	Horizontal

	Vertical
Motor power kW	55 kW at 690 V AC 50/60 Hz 30 kW at 400/415 V AC 50/60 Hz 37 kW at 500 V AC 50/60 Hz
Control type	Rotary knob
[In] rated current	65 A
[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
Direct connector	Without
Connections - terminals	EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> - cable stiffness : flexible - with cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> - cable stiffness : flexible - without cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> - cable stiffness : solid
Tightening torque	5 N.m - on EverLink BTR screw connectors- cable 25 mm <sup>2</sup> 5...8 N.m - on EverLink BTR screw connectors- cable 35 mm <sup>2</sup>
Mechanical robustness	Shocks closed 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks opened 30 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations 4 Gn, 5...300 Hz conforming to IEC 60068-2-6
Suitability for isolation	Yes conforming to IEC 60947-1
Height	132 mm
Width	55 mm
Depth	136 mm
Product weight	0.96 kg
Compatibility code	GV3L

## 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

## Contractual warranty

Warranty period	18 months
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