



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 60947-1 Category A conforming to IEC 60947-2
Network frequency	50/60 Hz
Breaking capacity	50 kA Icu at 440 V AC 50/60 Hz 100 kA Icu at 230/240 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 50 kA Icu at 400/415 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	50 % at 500 V AC 50/60 Hz 50 % at 690 V AC 50/60 Hz 100 % at 230/240 V AC 50/60 Hz 100 % at 400/415 V AC 50/60 Hz 100 % at 440 V AC 50/60 Hz
Trip unit technology	Magnetic
Magnetic tripping current	700 A

Complementary

Fixing mode	Clipped on 35 mm symmetrical DIN rail Screwed on panel (with 3 x M4 screws)
Operating position	Any position
Motor power kW	22 kW at 400/415 V AC 50/60 Hz 30 kW at 500 V AC 50/60 Hz 45 kW at 690 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
Mechanical durability	50000 cycles
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 solid EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible without cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible with cable end EverLink BTR screw connectors 1 cable(s) 1...35 mm ² solid EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible without cable end EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible with cable end
Tightening torque	5 N.m on EverLink BTR screw connectors for cable 25 mm ² 8 N.m on EverLink BTR screw connectors for cable 35 mm ²
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
Phase failure sensitivity	Yes
Height	132 mm

Width	55 mm
Depth	136 mm
Product weight	0.96 kg

Environment

standards	EN/IEC 60947-1 EN/IEC 60947-2
product certifications	ABS BV CCC LROS (Lloyds register of shipping) EAC DNV-GL
protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK09
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	0...3000 m

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0501 - 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