

# GV2LE20

## TeSys GV2 - Circuit breaker - magnetic - 18 A - screw clamp terminals



### Main

Range	TeSys
Product name	TeSys GV2
Device short name	GV2LE
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 conforming to IEC 60947-2
Breaking capacity	6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 3 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	50 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit rating	18 A
Trip unit technology	Magnetic
Magnetic tripping current	223 A

### Complementary

Mounting mode	By clips By screws
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Motor power kW	15 kW at 690 V AC 50/60 Hz 9 kW at 500 V AC 50/60 Hz 7.5 kW at 400/415 V AC 50/60 Hz
Control type	Toggle
[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
Power dissipation per pole	1.8 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles for AC-3 at 415 V
Operating rate	40 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1

Connections - terminals	Screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm <sup>2</sup> - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> - cable stiffness : solid
Tightening torque	1.7 N.m - on screw clamp terminals
Mechanical robustness	Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6 Shocks 30 Gn conforming to IEC 60068-2-27
Suitability for isolation	Yes conforming to IEC 60947-1
Height	89 mm
Width	45 mm
Depth	78.5 mm
Product weight	0.33 kg

## Environment

Standards	EN 60204 IEC 60947-1 IEC 60947-2 NF C 63-120 NF C 63-650 NF C 79-130 VDE 0113 VDE 0660
Product certifications	CCC CSA
Protective treatment	TH
IK degree of protection	IK04
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	2000 m