Product data sheet
Characteristics

GV3L506
TeSys GV3 - Circuit breaker - magnetic - 50 A - lugs-ring terminal

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
Connection pitch	17.5 mm without spreaders
Connections - terminals	Bars- 6 x 13.5 mm Lugs-ring terminals - external diameter : 6 mm
Tightening torque	6 N.m - on lugs-ring terminals - screw M6 6 N.m - on bars - screw M6
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