



Main

Range	TeSys
Product name	TeSys GV3
Device short name	GV3ME
Product or component type	Circuit breaker
Device application	Motor
Trip unit technology	Thermal-magnetic

Complementary

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 60947-4-1
Fixing mode	Clipped on 35 mm symmetrical DIN rail Screwed on panel (with 2 x M4 screws)
Operating position	Any position
Motor power kW	45 kW at 500 V AC 50/60 Hz 55 kW at 690 V AC 50/60 Hz 37 kW at 400/415 V AC 50/60 Hz
Breaking capacity	15 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 4 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 440 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 2 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 % 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 60 % at 440 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
[In] rated current	56...80 A
Trip unit rating	56...80 A
Magnetic tripping current	1040 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

[Ith] conventional free air thermal current	80 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
Power dissipation per pole	8 W
Mechanical durability	30000 cycles
Electrical durability	30000 cycles for AC-3 at 440 V
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	Screw clamp terminals 1 cable(s) 2.5...35 mm ² solid Screw clamp terminals 1 cable(s) 2.5...16 mm ² flexible without cable end Screw clamp terminals 1 cable(s) 2.5...16 mm ² flexible with cable end
Tightening torque	5 N.m on screw clamp terminals
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Height	120 mm
Width	61.2 mm
Depth	113 mm
Product weight	0.7 kg

Environment

Standards	BS EN DIN EN 60947-4-1 NF EN DIN EN 60947-2 EN/IEC
Product certifications	UL LROS (Lloyds register of shipping) CSA
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
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	3000 m

Contractual warranty

Warranty period	18 months
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