



Main

Range	TeSys
Range of Product	TeSys GV3
Device short name	GV3ME
Product name	TeSys GV3
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 IEC 60947-4-1 Category A IEC 60947-2
Network frequency	50/60 Hz IEC 60947-4-1
Fixing mode	35 mm symmetrical DIN rail clipped Panel screwed with 2 x M4 screws)
Operating position	Any position
Motor power kW	37 KW 400/415 V AC 50/60 Hz 55 KW 690 V AC 50/60 Hz 45 kW 500 V AC 50/60 Hz
Breaking capacity	100 KA Icu 230/240 V AC 50/60 Hz IEC 60947-2 15 KA Icu 400/415 V AC 50/60 Hz IEC 60947-2 4 KA Icu 500 V AC 50/60 Hz IEC 60947-2 10 KA Icu 440 V AC 50/60 Hz IEC 60947-2 2 kA Icu 690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % 690 V AC 50/60 Hz IEC 60947-2 100 % 500 V AC 50/60 Hz IEC 60947-2 100 % 230/240 V AC 50/60 Hz IEC 60947-2 50 % 400/415 V AC 50/60 Hz IEC 60947-2 60 % 440 V AC 50/60 Hz IEC 60947-2
Control Type	Push-button
Line Rated Current	80 A
Thermal protection adjustment range	56...80 A
Magnetic tripping current	1040 A
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2
[Ui] rated insulation voltage	690 V AC 50/60 Hz IEC 60947-2
[Ith] conventional free air thermal current	80 A IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-2
Power dissipation per pole	8 W
Mechanical durability	30000 cycles
Electrical durability	30000 cycles AC-3 440 V
Maximum operating rate	25 cyc/h
Rated duty	Continuous IEC 60947-4-1
Tightening torque	44.25 lbf.in (5 N.m) screw clamp terminals
Phase failure sensitivity	Yes IEC 60947-4-1
Height	4.72 in (120 mm)

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Width	2.41 in (61.2 mm)
Depth	4.45 in (113 mm)
Net Weight	1.54 lb(US) (0.7 kg)

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1 CSA C22.2 No 60947-4-1 UL 60947-4-1
Product Certifications	UL CSA LROS (Lloyds register of shipping)
Protective treatment	TC
IP degree of protection	IP20 IEC 60529
IK degree of protection	IK04
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Fire resistance	1760 °F (960 °C) IEC 60695-2-1
Operating altitude	9842.52 ft (3000 m)

Ordering and shipping details

Category	22366 - MAN STR PROTECTORS-GV1/GV3
Discount Schedule	I11
GTIN	3389110376166
Nbr. of units in pkg.	1
Package weight(Lbs)	25.43 oz (721 g)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.76 in (7 cm)
Package 1 width	4.92 in (12.5 cm)
Package 1 Length	5.24 in (13.3 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Under investigation
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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