

GV7RE220

TeSys GV7 - circuit breaker - 3P - AC-3 - 132...220 A - thermal-magnetic

Product availability: Stock - Normally stocked in distribution facility

Price*: 753.00 USD



Main

Commercial Status	Commercialised
Range	TeSys
Product name	TeSys GV7
Device short name	GV7R
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
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Breaking capacity	35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 690 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 440 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 400...415 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	132...220 A (-25...70 °C)
Trip unit technology	Thermal-magnetic

Complementary

Mounting mode	By clips By screws
Mounting support	Flush Panel mounting Rail Kit for fixing the switchgear
Mounting position	Vertical
Motor power kW	90 kW at 400...415 V AC 50/60 Hz 200 kW at 660...690 V AC 50/60 Hz 160 kW at 660...690 V AC 50/60 Hz 160 kW at 500 V AC 50/60 Hz 132 kW at 500 V AC 50/60 Hz 110 kW at 500 V AC 50/60 Hz 110 kW at 400...415 V AC 50/60 Hz
Control type	Rocker lever
System Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Ith] conventional free air thermal current	220 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2

Power dissipation	14.5 W
Power dissipation per pole	14.5 W
Mechanical durability	20000 cycles
Electrical durability	20000 cycles AC-3 at 440 V In/2 10000 cycles AC-3 at 440 V In
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connection pitch	1.77 in (45 mm) with spreaders 1.38 in (35 mm) without spreaders
Connections - terminals	Bare cable connectors 1.5...185 mm ² Screw Cable with lug - external diameter : 10 mm Bars
Tightening torque	15 N.m - on bare cable connectors- cable 1.5...185 mm ² 10 N.m - on screw - screw M6
Mechanical robustness	Vibrations 2.5 Gn, 0...25 Hz conforming to IEC 60068-2-6 Shocks 15 Gn for 11 ms conforming to IEC 60068-2-27
Suitability for isolation	Yes conforming to IEC 60947-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1 § 7-2-1-5-2
Height	4.92 in (125 mm)
Width	4.13 in (105 mm)
Depth	4.37 in (111 mm)
Product weight	5.18 lb(US) (2.35 kg)

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 NF C 63-120 NF C 63-650 NF C 79-130 VDE 0113 VDE 0660
Product certifications	CCC DNV UL
Protective treatment	TC
IP degree of protection	IP405 with terminal shrouds conforming to IEC 60529
Pollution degree	3
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-67...203 °F (-55...95 °C)
Fire resistance	1760 °F (960 °C) conforming to IEC 60695-2-1
Operating altitude	6561.68 ft (2000 m)

Ordering and shipping details

Category	22366 - MAN STR PROTECTORS-GV1/GV3
Discount Schedule	I11
GTIN	00785901566885
Nbr. of units in pkg.	1
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

Contractual warranty

Warranty period	18 months
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