Product data sheet
Characteristics

GV3P40
TeSys GV3-Circuit breaker-thermal-magnetic - 30…40A - EverLink BTR connectors

Product availability: Stock - Normally stocked in distribution facility

Price*: 504.00 USD

Main

Commercial Status	Commercialised
Range	TeSys
Product name	TeSys GV3
Device short name	GV3P
Product or component type	Circuit breaker
Device application	Motor
Poles description	3P
Network type	AC
Utilisation category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Breaking capacity	12 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 400/415 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 690 V AC 50/60 Hz conforming to IEC 60947-2 50 %at 500 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 440 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	30...40 A
Trip unit technology	Thermal-magnetic
Magnetic tripping current	560 A

Complementary

Mounting mode	By clips By screws
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Motor power kW	37 kWat 690 V AC 50/60 Hz 22 kW at 500 V AC 50/60 Hz 18.5 kWat 400/415 V AC 50/60 Hz
Control type	Rotary knob
System 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	40 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

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Mechanical durability	50000 cycles
Electrical durability	50000 cyclesfor AC-3at 440 V In
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	EverLink BTR screw connectors 2 cable(s) 0...0.04 in² (1...25 mm²) - cable stiffness : flexible - with cable end EverLink BTR screw connectors 2 cable(s) 0...0.04 in² (1...25 mm²) - cable stiffness : flexible - without cable end EverLink BTR screw connectors 2 cable(s) 0...0.04 in² (1...25 mm²) - cable stiffness : solid
Tightening torque	44.25...70.8 lbf.in (5...8 N.m) - on EverLink BTR screw connectors- cable 0.05 in² (35 mm²) 44.25 lbf.in (5 N.m) - on EverLink BTR screw connectors- cable 0.04 in² (25 mm²)
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
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Height	5.2 in (132 mm)
Width	2.17 in (55 mm)
Depth	5.35 in (136 mm)
Product weight	2.12 lb(US) (0.96 kg)

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 UL 508 type E CSA C22.2 No 14-05 type E
Product certifications	ATEX BV CCC CSA DNV GL LROS (pending) RINA UL EAC
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK09
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) conforming to 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	00785901477204
Nbr. of units in pkg.	1
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	FR

Contractual warranty

Warranty period	18 months