

Product data sheet

Characteristics

GV3P50

TeSys GV3-Circuit breaker-thermal-magnetic - 37...50A - EverLink BTR connectors

Product availability : Stock - Normally stocked in distribution facility



Main

Range	TeSys
Product name	TeSys GV3
Device short name	GV3P
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 3 x M4 screws)
Operating position	Any position
Motor power kW	22 kW at 400/415 V AC 50/60 Hz 30 kW at 500 V AC 50/60 Hz 45 kW at 690 V AC 50/60 Hz
Breaking capacity	50 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 50 kA Icu at 400/415 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 12 kA Icu at 500 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 440 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Rotary knob
[In] rated current	50 A
Trip unit rating	37...50 A
Magnetic tripping current	700 A

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	50 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	50000 cycles
Electrical durability	50000 cycles AC-3 at 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) 1...25 mm ² solid EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible without cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible with cable end
Tightening torque	5 N.m on EverLink BTR screw connectors for cable 25 mm ² 8 N.m on EverLink BTR screw connectors for cable 35 mm ²
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	UL 508 type E CSA C22.2 No 14-05 type E EN/IEC 60947-2 EN/IEC 60947-4-1 EN/IEC 60947-1
Product certifications	CCC EAC LROS (pending) BV ATEX RINA DNV GL CSA UL
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	00785901590699
Nbr. of units in pkg.	1
Package weight(Lbs)	2.2200000000000002
Returnability	Y
Country of origin	FR

Contractual warranty

Warranty period	18 months
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