

Product datasheet

Specifications



! Discontinued

motor circuit breaker GV3-ME - 4..6 A - screw clamp terminal - thermomagnetic tr

GV3ME10

! Discontinued on: 27 Sept 2016

! End-of-service on: 30 Nov 2021

Main

Range	TeSys
Product name	TeSys GV3
Product or component type	Circuit breaker
Device short name	thermal magnetic circuit breaker
Device application	Motor
Poles description	3P
Network type	AC
Control type	Push-button
Motor power kW	2.2 kW at 400...415 V AC 50/60 Hz 3 kW at 500 V AC 50/60 Hz 4 kW at 660...690 V AC 50/60 Hz
Trip unit technology	Thermal-magnetic
Utilisation category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Connections - terminals	Power circuit: screw clamp terminal 1 cable(s) 2.5...35 mm ² solid Power circuit: screw clamp terminal 1 cable(s) 2.5 mm ² flexible without cable end Power circuit: screw clamp terminal 2 cable(s) 16 mm ² flexible with cable end

Complementary

Network frequency	50/60 Hz
Mounting mode	Fixed
Mounting support	Plate Rail
Mounting position	Vertical Horizontal
Thermal protection adjustment range	4...6 A conforming to IEC 60947-4-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1 § 7-2-1-5-2
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2 600 V AC 50/60 Hz conforming to UL 508 600 V AC 50/60 Hz conforming to CSA C22.2 No 14
[Ui] rated insulation voltage	690 V conforming to IEC 60947-2
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-4-1 50/60 Hz conforming to UL 50/60 Hz conforming to CSA

[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 In/2
Maximum number of switchings	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Tightening torque	5 N.m - on EverLink BTR screw connectors - cable 2.5...16 mm ² 5 N.m - on EverLink BTR screw connectors - cable 2.5...3.5 mm ²
Breaking capacity	100 kA Icu at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 400...415 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 4 kA Icu at 500 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 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 60947-2 100 % 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
Height	120 mm
Width	61 mm
Depth	113 mm
Net weight	0.6 kg

Environment

Standards	IEC 60947-2 IEC 60947-4-1 BS EN DIN EN 60947-2 DIN EN 60947-4-1 EN 60947-2 EN 60947-4-1 NF EN
Product certifications	UL CSA LROS (Lloyds register of shipping)
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529 (open mounted) IP55 conforming to IEC 60529 (in enclosure)
Shock resistance	22 gn 20 ms conforming to IEC 60068-2-27
Vibration resistance	2.5 gn (f= 0...25 Hz) conforming to IEC 60068-2-6
Ambient air temperature for operation	-20...40 °C in enclosure -20...60 °C open mounted
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	<= 3000 m
Resistance to mechanical impact	0.5 J

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13 cm

Package 1 Width	13.2 cm
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Package 1 Length	6.8 cm
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Package 1 Weight	658 g
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Contractual warranty

Warranty	18 months
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