

Product datasheet

Specifications



motor circuit breaker GV3-ME - 25..40 A - screw clamp terminal - thermomagnetic

GV3ME40

EAN Code : 3389110346619

⚠ Discontinued

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	15 kW at 400...415 V AC 50/60 Hz 18.5 kW at 400...415 V AC 50/60 Hz 22 kW at 500 V AC 50/60 Hz 18.5 kW at 500 V AC 50/60 Hz 22 kW at 660...690 V AC 50/60 Hz 30 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	25...40 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	40 A conforming to IEC 60947-4-1 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	0.7 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
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Number of Units in Package 1 1

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
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

Recommended replacement(s)

GV3ME40 may be replaced by any of the following products:

1x



Motor circuit breaker, TeSys GV3, 3P, 30-40 A, thermal magnetic, EverLink terminals
GV3P40

1x



Motor circuit breaker, TeSys GV3, 3P, 23-32 A, thermal magnetic, EverLink terminals
GV3P32