

# Product datasheet

Specifications



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

GV3ME10

⚠ Discontinued on: Nov 30, 2021 AD

⚠ 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	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 <sup>2</sup> solid Power circuit: screw clamp terminal 1 cable(s) 2.5 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminal 2 cable(s) 16 mm <sup>2</sup> 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

<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-2
<b>Power dissipation per pole</b>	8 W
<b>Mechanical durability</b>	30000 cycles
<b>Electrical durability</b>	30000 cycles for AC-3 at 440 V In/2
<b>Maximum number of switchings</b>	25 cyc/h
<b>Rated duty</b>	Continuous conforming to IEC 60947-4-1
<b>Tightening torque</b>	5 N.m - on EverLink BTR screw connectors - cable 2.5...16 mm <sup>2</sup> 5 N.m - on EverLink BTR screw connectors - cable 2.5...3.5 mm <sup>2</sup>
<b>Breaking capacity</b>	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
<b>[Ics] rated service short-circuit breaking capacity</b>	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
<b>Height</b>	120 mm
<b>Width</b>	61 mm
<b>Depth</b>	113 mm
<b>Net weight</b>	0.6 kg

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	13 cm

---

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

---

## Contractual warranty

---

Warranty (in months)	18
----------------------	----

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### **Environmental footprint**

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Longer

### **Lifetime extension**

Repair

No

## Use Again

### **Repack and remanufacture**

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins