

# Product datasheet

Specifications



## Motor circuit breaker, TeSys GV3, 3P, 56-80 A, thermal magnetic, screw clamp terminals

GV3ME80

! Discontinued on: 09 September 2022

! Discontinued

### Main

Range	TeSys Deca
Product name	TeSys GV3
Product or component type	Motor circuit breaker
Device short name	GV3ME
Device application	Motor protection
Trip unit technology	Thermal-magnetic

### Complementary

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
Fixing mode	35 mm symmetrical DIN rail: clipped Panel: screwed (with 3 x M4 screws)
Motor power kW	37 kW at 400/415 V AC 50/60 Hz 45 kW at 500 V AC 50/60 Hz 55 kW at 690 V AC 50/60 Hz
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
Control type	Push-button
[In] rated current	80 A
Thermal protection adjustment range	56...80 A conforming to IEC 60947-4-1
Magnetic tripping current	1040 A
[Ith] conventional free air thermal current	80 A conforming to IEC 60947-4-1
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2

<b>[Ui] rated insulation voltage</b>	690 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-2
<b>Phase failure sensitivity</b>	Yes conforming to IEC 60947-4-1
<b>Power dissipation per pole</b>	8 W
<b>Mechanical durability</b>	30000 cycles
<b>Electrical durability</b>	30000 cycles for AC-3 at 415 V In
<b>Rated duty</b>	Continuous conforming to IEC 60947-4-1
<b>Tightening torque</b>	5 N.m - on screw clamp terminal
<b>Width</b>	61.2 mm
<b>Height</b>	120 mm
<b>Depth</b>	113 mm
<b>Net weight</b>	0.7 kg
<b>Colour</b>	Dark grey

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
<b>Product certifications</b>	CCC EAC LROS (Lloyds register of shipping) BV ABS DNV-GL
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Climatic withstand</b>	conforming to IACS E10
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Fire resistance</b>	960 °C conforming to IEC 60695-2-11
<b>Ambient air temperature for operation</b>	-20...60 °C
<b>Mechanical robustness</b>	Shocks: 22 Gn for 20 ms Vibrations: 2.5 Gn, 0...25 Hz
<b>Operating altitude</b>	3000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7 cm
<b>Package 1 Width</b>	12.5 cm
<b>Package 1 Length</b>	13.3 cm
<b>Package 1 Weight</b>	721 g

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>EU RoHS Directive</b>	Under investigation
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>

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<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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## Contractual warranty

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**Warranty** 18 months

## Recommended replacement(s)

GV3ME80 is replaced by:

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Motor circuit breaker, TeSys GV3, 3P, 62-73 A, thermal magnetic, EverLink terminals  
GV3P73

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