

Product datasheet

Specifications



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

GV3ME80

⚠ Discontinued on: Jan 23, 2021

⚠ 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 | CA |
| 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 60947-2 |
| 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 60947-2 |
| Magnetic tripping current | 1040 A |
| [Ith] conventional free air thermal current | 80 A conforming to IEC 60947-2 |
| [Ue] rated operational 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 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Phase failure sensitivity | Yes conforming to IEC 60947-4-1 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|-----------------------------------|--|
| Suitability for isolation | Yes conforming to IEC 60947-1 |
| Power dissipation per pole | 8 W |
| Mechanical durability | 30000 cycles |
| Electrical durability | 30000 cycles for AC-3 at 415 V In |
| Rated duty | Uninterrupted conforming to IEC 60947-4-1 |
| Tightening torque | 5 N.m - on screw clamp terminal |
| Fixing mode | 35 mm symmetrical DIN rail: clipped Panel: screwed (with 3 x M4 screws) |
| Mounting position | Horizontal Vertical |
| Width | 55 mm |
| Height | 132 mm |
| Depth | 136 mm |
| Net weight | 0.96 kg |
| Colour | Dark grey |

Environment

| | |
|--|--|
| Standards | EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC/EN 60335-1:Clause 30.2 IEC/EN 60335-2-40:Annex JJ |
| Product certifications | CCC EAC LROS (Lloyds register of shipping) BV ABS DNV-GL |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Climatic withstand | conforming to IACS E10 |
| Ambient air temperature for storage | -40...80 °C |
| Fire resistance | 960 °C conforming to IEC 60695-2-11 |
| Ambient air temperature for operation | -20...60 °C |
| Mechanical robustness | Shocks: 22 Gn for 20 ms Vibrations: 2.5 Gn, 0...25 Hz |
| Operating altitude | 3000 m |

Packing Units

| | |
|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7 cm |
| Package 1 Width | 12.5 cm |
| Package 1 Length | 13.3 cm |
| Package 1 Weight | 721 g |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

Environmental Data

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 Better

Materials and Substances

EU RoHS Directive

Under investigation

Use Again

Repack and remanufacture

WEEE



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