



ⓘ Discontinued

## Commercial status

Discontinued on: 01 July 2019

GV3ME80 has not been replaced. Please contact your customer care centre for more information.

## Main

|                      |                  |
|----------------------|------------------|
| Range                | TeSys            |
| Product name         | TeSys GV3        |
| Device short name    | GV3ME            |
| Device application   | Motor            |
| Trip unit technology | Thermal-magnetic |

## Complementary

|   |   |
|---|---|
| Poles description                                   | 3P  |
| Network type  | AC  |
| Utilisation category                                | AC-3 conforming to IEC 60947-4-1<br>Category A conforming to IEC 60947-2  |
| Network frequency                                   | 50/60 Hz conforming to IEC 60947-4-1  |
| Fixing mode   | 35 mm symmetrical DIN rail: clipped<br>Panel: screwed (with 2 x M4 screws)  |
| Operating position                                  | Any position  |
| Motor power kW                                      | 37 kW at 400/415 V AC 50/60 Hz<br>55 kW at 690 V AC 50/60 Hz<br>45 kW at 500 V AC 50/60 Hz  |
| Breaking capacity                                   | 100 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>4 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>2 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>60 % at 440 V AC 50/60 Hz conforming to IEC 60947-2                      |
| Control type  | Push-button   |
| [In] rated current                                  | 80 A  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|   |  |
|---|--|
| Thermal protection adjustment range         | 56...80 A  |
| Magnetic tripping current                   | 1040 A   |
| [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  |
| [Ith] conventional free air thermal current | 80 A conforming to IEC 60947-4-1   |
| [Uimp] rated impulse withstand voltage      | IEC 60947-2 6 kV   |
| Power dissipation per pole                  | 8 W  |
| Mechanical durability                       | 30000 cycles   |
| Electrical durability                       | 30000 cycles for AC-3 at 440 V   |
| Maximum operating rate                      | 25 cyc/h   |
| Rated duty                                  | Continuous conforming to IEC 60947-4-1   |
| Connections - terminals                     | Screw clamp terminals 1 cable(s) 2.5...35 mm <sup>2</sup> solid<br>Screw clamp terminals 1 cable(s) 2.5...16 mm <sup>2</sup> flexible without cable end<br>Screw clamp terminals 1 cable(s) 2.5...16 mm <sup>2</sup> flexible with cable end |
| Tightening torque                           | 5 N.m on screw clamp terminals   |
| Phase failure sensitivity                   | Yes conforming to IEC 60947-4-1  |
| Height                                      | 120 mm   |
| Width                                       | 61.2 mm  |
| Depth                                       | 113 mm   |
| Net weight                                  | 0.7 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947-2<br>EN/IEC 60947-4-1<br>CSA C22.2 No 60947-4-1<br>UL 60947-4-1 |
| Product certifications                | UL<br>CSA<br>LROS (Lloyds register of shipping)                              |
| Protective treatment                  | TC   |
| IP degree of protection               | IP20 conforming to IEC 60529   |
| IK degree of protection               | IK04   |
| Ambient air temperature for operation | -20...60 °C  |
| Ambient air temperature for storage   | -40...80 °C  |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-1   |
| Operating altitude                    | 3000 m   |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.721 kg |
| Package 1 Height | 0.700 dm |
| Package 1 width  | 1.330 dm |
| Package 1 Length | 1.250 dm |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| EU RoHS Directive          | Under investigation   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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