

GV2ME10

motor circuit breaker GV2-ME - 3 poles 3d -
4...6.3 A - thermomagnetic trip unit



Main

| | |
|-----------------------------|--|
| Range of product | GV2ME |
| Device short name | Thermal magnetic circuit breaker |
| Circuit breaker application | Motor protection |
| Poles description | 3P |
| Network type | AC |
| Control type | Pushbutton |
| 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 690 V AC 50/60 Hz |
| Magnetic tripping current | 78 A |
| Suitability for isolation | Yes conforming to IEC 60947-1 § 7-1-6 |
| Utilisation category | AC-3 conforming to IEC 60947-4-1 Category A conforming to IEC 60947-2 |
| Connections - terminals | Screw clamp terminal 2 cable 1...4 mm ² - cable stiffness: flexible - with cable end Screw clamp terminal 2 cable 1.5...6 mm ² - cable stiffness: flexible - without cable end Screw clamp terminal 2 cable 1...6 mm ² - cable stiffness: solid |

Complementary

| | |
|---|---|
| Network frequency | 50/60 Hz |
| Mounting mode | Fixed |
| Mounting support | Plate Rail |
| Mounting position | Horizontal Vertical |
| [In] rated current | 6.3 A |
| Thermal protection adjustment range | 4...6.3 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 | 600 V AC 50/60 Hz conforming to CSA C22-2 No 14 600 V AC 50/60 Hz conforming to UL 508 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ui] rated insulation voltage | 600 V conforming to CSA C22-2 No 14 600 V conforming to UL 508 690 V conforming to IEC 60947-2 |
| [Ith] conventional free air thermal current | 6.3 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 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Power dissipation per pole | 2.5 W |
| Mechanical durability | 100000 cycles |
| Electrical durability | 100000 cycles on 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 | 1.7 N.m - on screw clamp terminal - cable 1...6 mm ² 1.7 N.m - on screw clamp terminal - cable 1.5...6 mm ² 1.7 N.m - on screw clamp terminal - cable 1...4 mm ² |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| Breaking capacity | Icu > 100 kA at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu > 100 kA at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 3 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 % 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 400...415 V AC 50/60 Hz conforming to IEC 60947-2 > 100 % at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Height | 89 mm |
| Width | 44.5 mm |
| Depth | 78.2 mm |
| Product weight | 0.26 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | CSA C22-2 No 14-05 EN 60204 IEC 60947-1 IEC 60947-2 IEC 60947-4-1 NF C 63-120 NF C 63-650 NF C 79-130 UL 508 VDE 0113 VDE 0660 |
| Product certifications | ATEX BV CCC CEBEC CSA DNV (Det Norske Veritas) EZU GL GOST LROS PTB RINA SETI TSE UL |
| Protective treatment | TH |
| IP degree of protection | IP20 open mounted conforming to IEC 60529 |
| Shock resistance | 30 gn 11 ms conforming to IEC 60068-2-27 |
| 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 | ≤ 2000 m |
| Resistance to mechanical impact | 0.5 J open mounted |
| RoHS EUR conformity date | 0631 |
| RoHS EUR status | Compliant |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[GV2ME10](#)