

GV2ME16

motor circuit breaker GV2-ME - 3 poles 3d -
9...14 A - thermomagnetic trip unit



Main

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| 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 | 5.5 kW at 400...415 V AC 50/60 Hz 7.5 kW at 500 V AC 50/60 Hz 9 kW at 690 V AC 50/60 Hz 11 kW at 690 V AC 50/60 Hz |
| Magnetic tripping current | 170 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

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| Network frequency | 50/60 Hz |
| Mounting mode | Fixed |
| Mounting support | Plate Rail |
| Mounting position | Horizontal Vertical |
| [In] rated current | 14 A |
| Thermal protection adjustment range | 9...14 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 | 14 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 |

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| Breaking capacity | Icu > 100 kA at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 15 kA at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 8 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 6 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 | 50 % at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 690 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

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| 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 |