

GV2ME063

TeSys GV2 - Circuit breaker - thermal-magnetic - 1...1.6 A - spring terminals



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

| | |
|--|---|
| Commercial Status | Commercialised |
| Range of product | TeSys GV2 |
| Device short name | GV2ME |
| Product or component type | Circuit breaker |
| Circuit breaker application | Motor protection |
| 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 |
| Breaking capacity | I _{cu} = 100 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 I _{cu} = 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [I _{cs}] rated service short-circuit breaking capacity | 100 % at 400/415 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 230/240 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 |
| Thermal protection adjustment range | 1...1.6 A |
| Trip unit technology | Thermal-magnetic |
| Magnetic tripping current | 22.5 A |

Complementary

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|--|--|
| Mounting mode | By clips By screws |
| Mounting support | Rail |
| Mounting position | Horizontal Vertical |
| Motor power kW | 0.75 kW at 500 V AC 50/60 Hz 0.55 kW at 500 V AC 50/60 Hz 0.55 kW at 400/415 V AC 50/60 Hz 0.37 kW at 500 V AC 50/60 Hz 0.37 kW at 400/415 V AC 50/60 Hz |
| Control type | Pushbutton |
| [U _e] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [U _i] rated insulation voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [I _{th}] conventional free air thermal current | 1.6 A conforming to IEC 60947-4-1 |

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.

| | |
|--|---|
| [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 for AC-3 at 440 V |
| Operating rate | 25 cyc/h |
| Rated duty | Continuous conforming to IEC 60947-4-1 |
| Connections - terminals | Spring terminals 2 cable(s) 0...0.01 in ² (1.5...4 mm ²) - cable stiffness : flexible - without cable end Spring terminals 2 cable(s) 0...0.01 in ² (1...6 mm ²) - cable stiffness : solid |
| Mechanical robustness | Shocks 30 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6 |
| Suitability for isolation | Yes conforming to IEC 60947-1 |
| Phase failure sensitivity | Yes conforming to IEC 60947-4-1 |
| Height | 3.98 in (101 mm) |
| Width | 1.77 in (45 mm) |
| Depth | 3.08 in (78.2 mm) |
| Product weight | 0.62 lb(US) (0.28 kg) |

Environment

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|---------------------------------------|---|
| Standards | 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 CSA C22.2 |
| Product certifications | ATEX BV CCC CEBEC CSA DNV EZU GL GOST RINA SETI TSE UL LROS |
| Protective treatment | TH |
| IP degree of protection | IP20 conforming to IEC 60529 |
| IK degree of protection | IK04 |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C) |
| Ambient air temperature for storage | -40...176 °F (-40...80 °C) |
| Fire resistance | 1760 °F (960 °C) conforming to IEC 60695-2-1 |
| Operating altitude | 6561.68 ft (2000 m) |

Ordering and shipping details

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|-----------------------|---|
| Category | 22367 - MANUAL STR PROTECTOR - GV2 |
| Discount Schedule | I11 |
| GTIN | 00785901212126 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.66 |
| Product availability | Non-Stock - Not normally stocked in distribution facility |
| Returnability | N |
| Country of origin | FR |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0631 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |

Contractual warranty

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|--------|-----------|
| Period | 18 months |
|--------|-----------|

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