

GV2ME05

TeSys GV2-Circuit breaker-thermal-magnetic- 0.63...1 A -screw clamp terminals



Product availability: Stock - Normally stocked in distribution facility



Main

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|--|---|
| 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 | 0.63...1 A |
| Trip unit technology | Thermal-magnetic |
| Magnetic tripping current | 13 A |

Complementary

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| Mounting mode | By clips By screws |
| Mounting support | Rail |
| Mounting position | Horizontal Vertical |
| Motor power kW | 0.55 kW at 690 V AC 50/60 Hz 0.25 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 A conforming to IEC 60947-4-1 |
| [U _{imp}] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Power dissipation per pole | 2.5 W |

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| 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 | Screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in ² (1.5...6 mm ²) - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 0...0.01 in ² (1...6 mm ²) - cable stiffness : solid |
| Tightening torque | 15.04 lbf.in (1.7 N.m) - on screw clamp terminals |
| 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 | 3.5 in (89 mm) |
| Width | 1.77 in (45 mm) |
| Depth | 3.08 in (78.2 mm) |
| Product weight | 0.57 lb(US) (0.26 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 | 00785901211921 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.50 |
| Product availability | Stock - Normally stocked in distribution facility |
| Returnability | Y |
| 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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