

GV2P10

TeSys GV2 - Circuit breaker - thermal-magnetic - 4...6.3 A - screw clamp terminals



Main

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|---|---|
| Commercial Status | Commercialised |
| Range of product | TeSys GV2 |
| Device short name | GV2P |
| 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 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 _{cu} = 6 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] 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 | 4...6.3 A |
| Trip unit technology | Thermal-magnetic |
| Magnetic tripping current | 78 A |

Complementary

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| Mounting mode | By clips By screws |
| Mounting support | Plate Rail |
| Mounting position | Horizontal Vertical |
| Motor power kW | 4 kW at 690 V AC 50/60 Hz 3 kW at 500 V AC 50/60 Hz 2.2 kW at 400/415 V AC 50/60 Hz |
| Control type | Rotary knob |
| [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 | 6.3 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 |
| Mechanical durability | 100000 cycles |
| Electrical durability | 100000 cycles for AC-3 at 440 V |

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|---------------------------|---|
| Operating rate | 25 cyc/h |
| Rated duty | Continuous conforming to IEC 60947-4-1 |
| Connections - terminals | Screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm ² - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm ² - cable stiffness : solid |
| Tightening torque | 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 | 89 mm |
| Width | 45 mm |
| Depth | 97 mm |
| Product weight | 0.350 kg |

Environment

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|---------------------------------------|---|
| Standards | CSA C22-2 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 CSA DNV EZU GL GOST RINA TSE UL UL 508 type E LROS |
| Protective treatment | TH |
| 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 | 2000 m |

RoHS compliance

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|--------------------------------|-----------|
| RoHS EUR status | Compliant |
| RoHS EUR conformity date(YYWW) | 0631 |