

GV3P321

TeSys GV3-Circuit breaker-thermal-magnetic-23...32A-EverLink BTR/direct connectors



Main

| | |
|---|---|
| Range | TeSys |
| Product name | TeSys GV3 |
| Device short name | GV3P |
| Product or component type | Circuit breaker |
| Device application | Motor |
| 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 | 12 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 50 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 % 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 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 |
| Thermal protection adjustment range | 23...32 A |
| Trip unit technology | Thermal-magnetic |
| Magnetic tripping current | 448 A |

Complementary

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| Mounting mode | By clips By screws |
| Mounting support | Plate Rail |
| Mounting position | Horizontal Vertical |
| Motor power kW | 22 kW at 690 V AC 50/60 Hz 18.5 kW at 500 V AC 50/60 Hz 15 kW at 400/415 V AC 50/60 Hz |
| Control type | Rotary knob |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ith] conventional free air thermal current | 32 A conforming to IEC 60947-4-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Power dissipation per pole | 8 W |
| Mechanical durability | 50000 cycles |
| Electrical durability | 50000 cycles for AC-3 at 440 V In |

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.

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| Operating rate | 25 cyc/h |
| Rated duty | Continuous conforming to IEC 60947-4-1 |
| Connections - terminals | Direct terminal link EverLink BTR screw connectors 2 cable(s) 1...25 mm ² - cable stiffness : flexible - with cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm ² - cable stiffness : flexible - without cable end EverLink BTR screw connectors 2 cable(s) 1...25 mm ² - cable stiffness : solid |
| Tightening torque | 5..8 N.m - on EverLink BTR screw connectors- cable 35 mm ² 5 N.m - on EverLink BTR screw connectors- cable 25 mm ² |
| Mechanical robustness | Vibrations 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks opened 30 Gn for 11 ms conforming to IEC 60068-2-27 Shocks closed 15 Gn for 11 ms conforming to IEC 60068-2-27 |
| Suitability for isolation | Yes conforming to IEC 60947-1 |
| Phase failure sensitivity | Yes conforming to IEC 60947-4-1 |
| Height | 111 mm |
| Width | 55 mm |
| Depth | 136 mm |
| Product weight | 0.96 kg |

Environment

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| Standards | EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 UL 508 type E CSA C22.2 No 14-05 type E |
| Product certifications | ATEX BV CCC CSA DNV GL LROS (pending) RINA UL EAC |
| Protective treatment | TH |
| IP degree of protection | IP20 conforming to IEC 60529 |
| IK degree of protection | IK09 |
| 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 | 3000 m |