



Main

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| Range | TeSys |
| Product name | TeSys GV4 |
| Device short name | GV4P |
| Product or component type | Multifunction circuit breaker |
| Device application | Motor |
| Poles description | 3P |
| Utilisation category | Category A |
| Trip unit technology | Thermal-magnetic Electronic |
| Protection type | Overload Long start Locked rotor Ground fault protection Phase unbalance Jam Phase loss Short-circuit Short time short-circuit protection |
| Motor tripping class | 20 10 |
| [In] rated current | 50 A |
| Breaking capacity | 100 kA at 208Y/120 V AC 50/60 Hz according to UL 60947 100 kA at 240 V AC 50/60 Hz according to UL 60947 65 kA at 480Y/277 V AC 50/60 Hz according to UL 60947 [Icu] : 120 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 100 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 70 kA at 440 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 30 kA at 500 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 18 kA at 525 V AC 50/60 Hz according to IEC 60947-2 [Icu] : 10 kA at 660...690 V AC 50/60 Hz according to IEC 60947-2 25 kA at 600Y/347 V AC 50/60 Hz according to UL 60947 |
| [Ics] rated service breaking capacity | 30 kA : at 500 V AC 50/60 Hz according to IEC 60947-2 120 kA : at 220...240 V AC 50/60 Hz according to IEC 60947-2 100 kA : at 380...415 V AC 50/60 Hz according to IEC 60947-2 |

Disclaimer: 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

70 kA : at 440 V AC 50/60 Hz according to IEC 60947-2
 18 kA : at 525 V AC 50/60 Hz according to IEC 60947-2
 2.5 kA : at 660...690 V AC 50/60 Hz according to IEC 60947-2

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| Trip unit rating | 20...50 A |
| Control type | Toggle |

Complementary

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| Communication port protocol | NFC |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Motor power kW | 11 kW at 400...415 V AC 50/60 Hz 15 kW at 400...415 V AC 50/60 Hz 15 kW at 500 V AC 50/60 Hz 22 kW at 400...415 V AC 50/60 Hz 22 kW at 500 V AC 50/60 Hz 22 kW at 660...690 V AC 50/60 Hz 30 kW at 500 V AC 50/60 Hz 30 kW at 660...690 V AC 50/60 Hz 37 kW at 660...690 V AC 50/60 Hz 45 kW at 660...690 V AC 50/60 Hz 18.5 kW at 400...415 V AC 50/60 Hz 18.5 kW at 500 V AC 50/60 Hz 18.5 kW at 660...690 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV according to IEC 60947-2 |
| [Ui] rated insulation voltage | 800 V conforming to IEC 60947-2 |
| Mounting mode | By clips By screws |
| Mounting support | Plate 75 mm symmetrical DIN rail 35 mm symmetrical DIN rail |
| Suitability for isolation | Yes according to IEC 60947-1 |
| Mechanical durability | 40000 cycles |
| Electrical durability | 10000 cycles for AC-3 at 440 V In 20000 cycles for AC-3 at 440 V In/2 |
| Local signalling | Green flag for presence of auxiliary contacts |
| Number of slots | 1 slot(s) for alarm switch fault signalling contact (plug-in) 1 slot(s) for voltage release electrical remote tripping (plug-in) 1 slot(s) for auxiliary switch open/close contact (plug-in) |
| Connection pitch | 27 mm |
| Connections - terminals | EverLink BTR screw connectors - location: top socket 1 cable(s) 1.5...70 mm ² (solid) EverLink BTR screw connectors - location: top socket 1 cable(s) 1.5...50 mm ² (flexible) EverLink BTR screw connectors - location: bottom socket 1 cable(s) 2.5...95 mm ² (solid) EverLink BTR screw connectors - location: bottom socket 1 cable(s) 2.5...70 mm ² (flexible) |
| Tightening torque | 9 N.m for 16...95 mm ² 5 N.m for 1.5...10 mm ² |
| Wire stripping length | 20 mm |
| Quality labels | CE |
| Standards | EN/IEC 60947-4-1 EN/IEC 60947-2 UL 60947-4-1 CSA C22.2 No 60947-4-1 |
| Height | 155 mm |
| Width | 81 mm |
| Depth | 116 mm |
| Product weight | 1.45 kg |
| Colour | Grey (RAL 7016) |

Environment

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| Product certifications | IEC |
| Tropicalisation | 2 according to IEC 68-2 |
| IP degree of protection | IP40 (front face) according to IEC 60529 |

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| IK degree of protection | IK07 according to IEC 62262 |
| Pollution degree | 3 according to IEC 60947-1 |
| Mechanical robustness | Shocks 15 Gn for 11 ms according to IEC 60068-2-27 Vibrations +/- 1 mm for 2...13.2 Hz according to IEC 60068-2-6 Vibrations 0.7 gn for 13.2...100 Hz according to IEC 60068-2-6 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Operating altitude | > 2000...5000 m with derating 2000 m without derating |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1736 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available Product environmental |
| Product end of life instructions | Available End of life manual |