



### Main

|                                       |   |
|---------------------------------------|---|
| Range                                 | TeSys   |
| Product name                          | TeSys GV4   |
| Device short name                     | GV4P  |
| Product or component type             | Circuit breaker   |
| Device application                    | Motor   |
| Poles description                     | 3P  |
| Utilisation category                  | Category A  |
| Trip unit technology                  | Electronic<br>Thermal-magnetic  |
| Protection type                       | Ground fault protection<br>Overload<br>Phase unbalance<br>Short time short-circuit protection<br>Short-circuit<br>Phase loss  |
| Motor tripping class                  | 20<br>10  |
| [In] rated current                    | 3.5 A   |
| Breaking capacity                     | 100 kA at 208Y/120 V AC 50/60 Hz according to UL 60947<br>100 kA at 240 V AC 50/60 Hz according to UL 60947<br>65 kA at 480Y/277 V AC 50/60 Hz according to UL 60947<br>[Icu] : 120 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2<br>[Icu] : 100 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2<br>[Icu] : 70 kA at 440 V AC 50/60 Hz according to IEC 60947-2<br>[Icu] : 30 kA at 500 V AC 50/60 Hz according to IEC 60947-2<br>[Icu] : 18 kA at 525 V AC 50/60 Hz according to IEC 60947-2<br>[Icu] : 10 kA at 660...690 V AC 50/60 Hz according to IEC 60947-2<br>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<br>120 kA : at 220...240 V AC 50/60 Hz according to IEC 60947-2<br>100 kA : at 380...415 V AC 50/60 Hz according to IEC 60947-2<br>70 kA : at 440 V AC 50/60 Hz according to IEC 60947-2<br>18 kA : at 525 V AC 50/60 Hz according to IEC 60947-2<br>2.5 kA : at 660...690 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

|                  |             |
|------------------|-------------|
| Trip unit rating | 1.4...3.5 A |
| Control type     | Toggle      |

## Complementary

|  |  |
|--|--|
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Motor power kW                         | 0.55 kW at 400...415 V AC 50/60 Hz<br>0.75 kW at 400...415 V AC 50/60 Hz<br>0.75 kW at 500 V AC 50/60 Hz<br>1.1 kW at 400...415 V AC 50/60 Hz<br>1.1 kW at 500 V AC 50/60 Hz<br>1.1 kW at 660...690 V AC 50/60 Hz<br>1.5 kW at 400...415 V AC 50/60 Hz<br>1.5 kW at 500 V AC 50/60 Hz<br>1.5 kW at 660...690 V AC 50/60 Hz<br>2.2 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<br>By screws  |
| Mounting support                       | 35 mm symmetrical DIN rail<br>75 mm symmetrical DIN rail<br>Plate  |
| Suitability for isolation              | Yes according to IEC 60947-1   |
| Mechanical durability                  | 40000 cycles   |
| Electrical durability                  | 40000 cycles for AC-3 at 440 V In/2<br>40000 cycles for AC-3 at 440 V In   |
| Local signalling                       | Green flag for presence of auxiliary contacts  |
| Number of slots                        | 1 slot(s) for alarm switch fault signalling contact (plug-in)<br>1 slot(s) for voltage release electrical remote tripping (plug-in)<br>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 <sup>2</sup> (solid)<br>EverLink BTR screw connectors - location: top socket 1 cable(s) 1.5...50 mm <sup>2</sup> (flexible)<br>EverLink BTR screw connectors - location: bottom socket 1 cable(s) 2.5...95 mm <sup>2</sup> (solid)<br>EverLink BTR screw connectors - location: bottom socket 1 cable(s) 2.5...70 mm <sup>2</sup> (flexible) |
| Tightening torque                      | 9 N.m for 16...95 mm <sup>2</sup><br>5 N.m for 1.5...10 mm <sup>2</sup>  |
| Wire stripping length                  | 20 mm  |
| Quality labels                         | CE   |
| Standards                              | UL 60947-4-1<br>EN/IEC 60947-4-1<br>EN/IEC 60947-2<br>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

|                                       |  |
|---------------------------------------|--|
| Product certifications                | IEC  |
| Tropicalisation                       | 2 according to IEC 68-2  |
| IP degree of protection               | IP40 (front face) according to IEC 60529   |
| 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<br>Vibrations +/- 1 mm for 2...13.2 Hz according to IEC 60068-2-6<br>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<br>2000 m without derating |

### Offer Sustainability

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