



### Main

|   |  |
|---|--|
| Range   | TeSys  |
| Product name  | TeSys GV3  |
| Device short name                                   | GV3L   |
| Product or component type                           | Circuit breaker  |
| Circuit breaker application                         | Motor protection   |
| Poles description                                   | 3P   |
| Network type  | AC   |
| Utilisation category                                | AC-3 conforming to IEC 60947-4-1<br>Category A conforming to IEC 60947-2   |
| Network frequency                                   | 50/60 Hz   |
| Breaking capacity                                   | I <sub>cu</sub> = 50 kA at 400/415 V AC 50/60 Hz<br>I <sub>cu</sub> = 6 kA at 690 V AC 50/60 Hz<br>I <sub>cu</sub> = 12 kA at 500 V AC 50/60 Hz<br>I <sub>cu</sub> = 50 kA at 440 V AC 50/60 Hz<br>I <sub>cu</sub> = 100 kA at 230/240 V AC 50/60 Hz |
| [Ics] rated service short-circuit breaking capacity | 50 % at 690 V AC 50/60 Hz<br>50 % at 500 V AC 50/60 Hz<br>100 % at 440 V AC 50/60 Hz<br>100 % at 400/415 V AC 50/60 Hz<br>100 % at 230/240 V AC 50/60 Hz   |
| Trip unit rating                                    | 50 A   |
| Trip unit technology                                | Magnetic   |
| Magnetic tripping current                           | 700 A  |

### Complementary

|   |  |
|---|--|
| Mounting mode                                       | By clips<br>By screws  |
| Mounting support                                    | Plate<br>Rail  |
| Mounting position                                   | Horizontal<br>Vertical   |
| Motor power kW                                      | 45 kW at 690 V AC 50/60 Hz<br>30 kW at 500 V AC 50/60 Hz<br>22 kW at 400/415 V AC 50/60 Hz   |
| Control type  | Rotary knob  |
| [U <sub>e</sub> ] rated operational voltage         | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| [U <sub>i</sub> ] rated insulation voltage          | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2   |
| Electrical durability                               | 50000 cycles for AC-3 at 415 V   |
| Operating rate                                      | 25 cyc/h   |
| Connections - terminals                             | EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> - cable stiffness : flexible - with cable end<br>EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> - cable stiffness : flexible - without cable end<br>EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> - cable stiffness : solid |
| Tightening torque                                   | 5...8 N.m - on EverLink BTR screw connectors- cable 35 mm <sup>2</sup><br>5 N.m - on EverLink BTR screw connectors- cable 25 mm <sup>2</sup>   |
| Mechanical robustness                               | Vibrations 4 Gn, 5...300 Hz conforming to IEC 60068-2-6<br>Shocks opened 30 Gn for 11 ms conforming to IEC 60068-2-27<br>Shocks closed 15 Gn for 11 ms conforming to IEC 60068-2-27  |
| Suitability for isolation                           | Yes conforming to IEC 60947-1  |

|                |         |
|----------------|---------|
| Height         | 132 mm  |
| Width          | 55 mm   |
| Depth          | 136 mm  |
| Product weight | 0.96 kg |

## Environment

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2   |
| Protective treatment                  | TH                                 |
| IP degree of protection               | IP20 conforming to IEC 60529       |
| 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                             |