



### Main

|   |   |
|---|---|
| Range of product                                    | TeSys GV2   |
| Device short name                                   | GV2LE   |
| 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<br>AC-3 conforming to IEC 60947-4-1  |
| Network frequency                                   | 50/60 Hz conforming to IEC 60947-2  |
| Breaking capacity                                   | I <sub>cu</sub> = 100 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 100 kA at 230/240 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<br>100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Trip unit rating                                    | 1.6 A   |
| Trip unit technology                                | Magnetic  |
| Magnetic tripping current                           | 22.5 A  |

### Complementary

|   |   |
|---|---|
| Mounting mode                                       | By clips<br>By screws   |
| Mounting support                                    | Plate<br>Rail   |
| Mounting position                                   | Horizontal<br>Vertical  |
| Motor power kW                                      | 1.1 kW at 690 V AC 50/60 Hz<br>0.75 kW at 500 V AC 50/60 Hz<br>0.55 kW at 500 V AC 50/60 Hz<br>0.55 kW at 400/415 V AC 50/60 Hz |
| Control type  | Toggle  |
| [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  |
| Power dissipation per pole                          | 1.8 W   |
| Mechanical durability                               | 100000 cycles   |
| Electrical durability                               | 100000 cycles for AC-3 at 415 V   |
| Operating rate                                      | 40 cyc/h  |
| Rated duty  | Continuous conforming to IEC 60947-4-1  |

|                           |   |
|---------------------------|---|
| Connections - terminals   | Screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end<br>Screw clamp terminals 2 cable(s) 1.5...6 mm <sup>2</sup> - cable stiffness : flexible - without cable end<br>Screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> - cable stiffness : solid |
| Tightening torque         | 1.7 N.m - on screw clamp terminals  |
| Mechanical robustness     | Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6<br>Shocks 30 Gn conforming to IEC 60068-2-27  |
| Suitability for isolation | Yes conforming to IEC 60947-1   |
| Height                    | 89 mm   |
| Width                     | 45 mm   |
| Depth                     | 78.5 mm   |
| Product weight            | 0.33 kg   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN 60204<br>IEC 60947-1<br>IEC 60947-2<br>NF C 63-120<br>NF C 63-650<br>NF C 79-130<br>VDE 0113<br>VDE 0660 |
| Product certifications                | CCC<br>CSA  |
| Protective treatment                  | TH  |
| 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  |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|