



## Main

|                           |                  |
|---------------------------|------------------|
| Range                     | TeSys            |
| Product name              | TeSys GV2        |
| Device short name         | GV2ME            |
| Product or component type | Circuit breaker  |
| Device application        | Motor            |
| Trip unit technology      | Thermal-magnetic |

## Complementary

|                                                     |                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                |
| Mounting mode                                       | By clips<br>By screws                                                                                                                                                                                                                                                                                               |
| Mounting support                                    | Rail                                                                                                                                                                                                                                                                                                                |
| Mounting position                                   | Horizontal<br>Vertical                                                                                                                                                                                                                                                                                              |
| Motor power kW                                      | 0.75 kW at 400/415 V AC 50/60 Hz<br>1.1 kW at 500 V AC 50/60 Hz<br>1.5 kW at 690 V AC 50/60 Hz                                                                                                                                                                                                                      |
| Breaking capacity                                   | 3 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 100 % at 230/240 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 500 V AC 50/60 Hz conforming to IEC 60947-2<br>75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2                         |
| Control type                                        | Push-button                                                                                                                                                                                                                                                                                                         |
| [In] rated current                                  | 1.6...2.5 A                                                                                                                                                                                                                                                                                                         |
| Trip unit rating                                    | 1.6...2.5 A                                                                                                                                                                                                                                                                                                         |
| Magnetic tripping current                           | 33.5 A                                                                                                                                                                                                                                                                                                              |
| [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         | 2.5 A conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage              | 6 kV conforming to IEC 60947-2                                                                                                                                                                                                                                                                                      |
| Power dissipation per pole                          | 2.5 W                                                                                                                                                                                                                                                                                                               |
| Mechanical durability                               | 100000 cycles                                                                                                                                                                                                                                                                                                       |
| Electrical durability                               | 100000 cycles for AC-3 at 440 V                                                                                                                                                                                                                                                                                     |
| Operating rate                                      | 25 cyc/h                                                                                                                                                                                                                                                                                                            |
| Rated duty                                          | Continuous conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                              |
| Connections - terminals                             | Screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> - cable stiffness : solid<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...4 mm <sup>2</sup> - cable stiffness : flexible - with cable                   |

|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
|                           | end                                                                                                            |
| 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 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                    | 89 mm                                                                                                          |
| Width                     | 45 mm                                                                                                          |
| Depth                     | 78.2 mm                                                                                                        |
| Product weight            | 0.26 kg                                                                                                        |

## Environment

|                                       |                                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| standards                             | EN 60204<br>IEC 60947-1<br>IEC 60947-2<br>IEC 60947-4-1<br>NF C 63-120<br>NF C 63-650<br>NF C 79-130<br>UL 508<br>VDE 0113<br>VDE 0660<br>CSA C22.2 |
| product certifications                | ATEX<br>BV<br>CCC<br>CEBEC<br>CSA<br>DNV<br>EZU<br>GL<br>RINA<br>SETI<br>TSE<br>UL<br>LROS<br>EAC                                                   |
| protective treatment                  | TH                                                                                                                                                  |
| IP degree of protection               | IP20 conforming to IEC 60529                                                                                                                        |
| 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                                                                                                                                              |

## Offer Sustainability

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0631 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available                                                             |
| Product end of life instructions | Need no specific recycling operations                                 |