

# GV2ME016

## TeSys GV2-Circuit breaker-thermal-magnetic-0.1...0.16 A -lugs-ring terminals



### Main

|   |   |
|---|---|
| Range   | TeSys   |
| Product name  | TeSys GV2   |
| Device short name                                   | GV2ME   |
| Product or component type                           | Circuit breaker   |
| Device application                                  | Motor   |
| 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 60947-4-1  |
| 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  |
| Thermal protection adjustment range                 | 0.1...0.16 A  |
| Trip unit technology                                | Thermal-magnetic  |
| Magnetic tripping current                           | 1.5 A   |

### Complementary

|  |   |
|--|---|
| Mounting mode  | By clips<br>By screws                       |
| Mounting support   | Rail  |
| Mounting position  | Horizontal<br>Vertical                      |
| Control type   | Push-button                                 |
| [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 |
| [I <sub>th</sub> ] conventional free air thermal current | 0.16 A conforming to IEC 60947-4-1          |
| [U <sub>imp</sub> ] 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   |
| Connection pitch          | 13.5 mm without spreader   |
| Connections - terminals   | Bars- 6 x 9.5 mm<br>Lugs-ring terminals - external diameter : 9.5 mm   |
| Tightening torque         | 1.7 N.m - on bars - screw M4<br>1.7 N.m - on lugs-ring terminals - screw M4                                    |
| Mechanical robustness     | Shocks 30 Gn for 11 ms conforming to IEC 60068-2-27<br>Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6 |
| 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>GOST<br>RINA<br>SETI<br>TSE<br>UL<br>LROS  |
| 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 0635 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations   |