

# GV2ME10

## TeSys GV2 - Circuit breaker - thermal-magnetic - 4...6.3 A - screw clamp terminals



### Main

|  |   |
|--|---|
| Range of product   | TeSys GV2   |
| Device short name  | GV2ME   |
| 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 conforming to IEC 60947-4-1  |
| Breaking capacity  | I <sub>cu</sub> = 3 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 50 kA at 500 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<br>I <sub>cu</sub> = 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [I <sub>cs</sub> ] rated service short-circuit breaking capacity | 100 % at 500 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>75 % at 690 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 400/415 V AC 50/60 Hz conforming to IEC 60947-2   |
| Thermal protection adjustment range                              | 4...6.3 A   |
| Trip unit technology   | Thermal-magnetic  |
| Magnetic tripping current  | 78 A  |

### Complementary

|  |   |
|--|---|
| Mounting mode  | By clips<br>By screws   |
| Mounting support   | Rail  |
| Mounting position  | Horizontal<br>Vertical  |
| Motor power kW   | 2.2 kW at 400/415 V AC 50/60 Hz<br>3 kW at 500 V AC 50/60 Hz<br>4 kW at 690 V AC 50/60 Hz |
| Control type   | Pushbutton  |
| [U <sub>e</sub> ] rated operational voltage              | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| [I <sub>th</sub> ] conventional free air thermal current | 6.3 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  |

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|                           |   |
|---------------------------|---|
| 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                             | CSA C22-2<br>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 |
| 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  |