

# GV2RT10

TeSys GV2 Manual Starter and Protector, thermal magnetic circuit protector, toggle switch, 4...6.3 A, screw clamp terminals



Product availability: Stock - Normally stocked in distribution facility



## Main

|                      |                      |
|----------------------|----------------------|
| Range                | TeSys                |
| Product name         | TeSys GV2            |
| Device short name    | GV2RT                |
| Device application   | Motor<br>Transformer |
| 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   |
| Fixing mode                                 | Clipped on 35 mm symmetrical DIN rail<br>Screwed on panel (with adaptor plate)   |
| Operating position                          | Any position   |
| Motor power kW                              | 1.1 kW at 220/230 V AC 50/60 Hz (motor protection high peak current)<br>2.2 kW at 400/415 V AC 50/60 Hz (motor protection high peak current)<br>2.2 kW at 440 V AC 50/60 Hz (motor protection high peak current)<br>3 kW at 440 V AC 50/60 Hz (motor protection high peak current)<br>3 kW at 500 V AC 50/60 Hz (motor protection high peak current)<br>4 kW at 690 V AC 50/60 Hz (motor protection high peak current)<br>1.6 kW at 230/240 V AC 50/60 Hz (transformer protection)<br>2 kW at 230/240 V AC 50/60 Hz (transformer protection)<br>2.5 kW at 400/415 V AC 50/60 Hz (transformer protection)<br>2.5 kW at 440 V AC 50/60 Hz (transformer protection)<br>4 kW at 440 V AC 50/60 Hz (transformer protection)<br>4 kW at 500 V AC 50/60 Hz (transformer protection)<br>4 kW at 690 V AC 50/60 Hz (transformer protection)<br>5 kW at 690 V AC 50/60 Hz (transformer protection)<br>6.3 kW at 690 V AC 50/60 Hz (transformer protection) |
| Breaking capacity                           | 3 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 500 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 220/230 V AC 50/60 Hz conforming to IEC 60947-2  |
| Control type                                | Toggle   |
| [In] rated current                          | 6.3 A  |
| Thermal protection adjustment range         | 4...6.3 A  |
| Magnetic tripping current                   | 138 A  |
| System Voltage                              | 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 | 6.3 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 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) 0...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) solid<br>Screw clamp terminals 2 cable(s) 0...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) flexible without cable end<br>Screw clamp terminals 2 cable(s) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end |
| Tightening torque         | 15.04 lbf.in (1.7 N.m) on screw clamp terminals   |
| Suitability for isolation | Yes conforming to IEC 60947-1   |
| Phase failure sensitivity | Yes conforming to IEC 60947-4-1   |
| Height                    | 3.5 in (89 mm)  |
| Width                     | 1.77 in (45 mm)   |
| Depth                     | 3.09 in (78.5 mm)   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | IEC 60947-1<br>NF C 63-650<br>NF C 63-120<br>VDE 0113<br>NF C 79-130<br>CSA C22.2<br>IEC 60947-4-1<br>VDE 0660<br>UL 508<br>IEC 60947-2<br>EN 60204 |
| Product certifications                | CCC<br>CSA<br>EAC<br>UL   |
| Protective treatment                  | TH  |
| IP degree of protection               | IP20 conforming to IEC 60529  |
| IK degree of protection               | IK04  |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C)   |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)  |
| Fire resistance                       | 1760 °F (960 °C) conforming to IEC 60695-2-1  |
| Operating altitude                    | 6561.68 ft (2000 m)   |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22367 - MANUAL STR PROTECTOR - GV2 |
| Discount Schedule     | I11                                |
| GTIN                  | 00785901051220                     |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 0.6099999999999999                 |
| Returnability         | Y                                  |
| Country of origin     | FR                                 |

## Offer Sustainability

|                                  |  |
|----------------------------------|--|
| Sustainable offer status         | Green Premium product  |
| RoHS (date code: YYWW)           | Compliant - since 0631 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference contains SVHC above the threshold - Go to CaP for more details-<br><a href="#">Go to CaP for more details</a>            |
| Product environmental profile    | Available  |
| Product end of life instructions | Need no specific recycling operations  |
| California proposition 65        | WARNING: This product can expose you to chemicals including:   |
| ----- Substance 1                | Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.                                     |
| ----- More information           | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

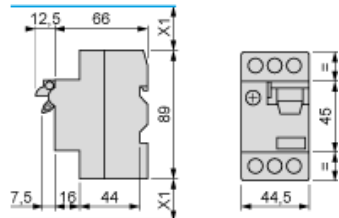
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|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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GV2RT

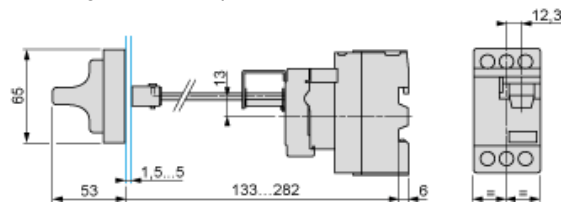
Dimensions



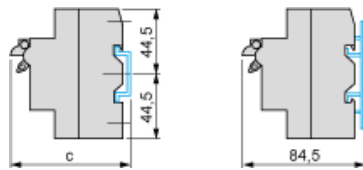
X1: Electrical clearance = 40 mm for  $U_e < 690$  V

Mounting

Mounting of external operator GV2AP03



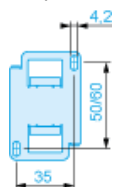
On 35 mm rail



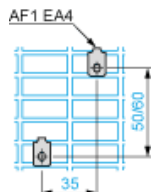
$c = 80$  on AM1 DP200 (35 x 7.5)

$c = 88$  on AM1 DE200, ED200 (35 x 15)

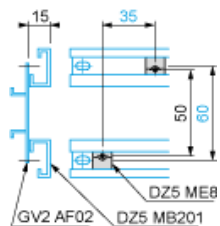
On panel with adapter plate GV2AF02



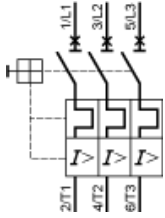
On pre-slotted plate AM1 PA



On rails DZ5 MB



GV2ME•• and GV2RT



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