

# Product data sheet

Specifications



## TeSys GV2 Manual Starter and Protector, thermal magnetic circuit protector, toggle switch, 0.40...0.63 A, screw clamp terminals

GV2RT04

Product availability: Non-Stock - Not normally stocked in distribution facility

### Main

|                           |                                 |
|---------------------------|---------------------------------|
| Range                     | TeSys Deca                      |
| Product name              | TeSys GV2                       |
| Product or Component Type | Motor circuit breaker           |
| Device short name         | GV2RT                           |
| Device Application        | Motor protection<br>Transformer |
| Trip unit technology      | Thermal-magnetic                |

### Complementary

|                                             |                                                                                                                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description                           | 3P                                                                                                                                                                                                                                                                   |
| Network type                                | AC                                                                                                                                                                                                                                                                   |
| Utilisation category                        | Category A IEC 60947-2<br>AC-3 IEC 60947-4-1<br>AC-3e IEC 60947-4-1                                                                                                                                                                                                  |
| Network frequency                           | 50/60 Hz IEC 60947-2                                                                                                                                                                                                                                                 |
| Motor power kW                              | 0.12 kW 400/415 V AC 50/60 Hz motor protection high peak current<br>0.18 kW 400/415 V AC 50/60 Hz motor protection high peak current<br>0.18 kW 440 V AC 50/60 Hz motor protection high peak current<br>0.37 kW 690 V AC 50/60 Hz motor protection high peak current |
| Breaking capacity                           | 100 kA Icu 220/230 V AC 50/60 Hz IEC 60947-2<br>100 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2<br>100 kA Icu 440 V AC 50/60 Hz IEC 60947-2<br>100 kA Icu 500 V AC 50/60 Hz IEC 60947-2<br>100 kA Icu 690 V AC 50/60 Hz IEC 60947-2                                     |
| Control Type                                | Toggle                                                                                                                                                                                                                                                               |
| Line Rated Current                          | 0.63 A                                                                                                                                                                                                                                                               |
| Thermal protection adjustment range         | 0.4...0.63 A IEC 60947-2                                                                                                                                                                                                                                             |
| Magnetic tripping current                   | 13 A                                                                                                                                                                                                                                                                 |
| [Ith] conventional free air thermal current | 0.63 A IEC 60947-2                                                                                                                                                                                                                                                   |
| [Ue] rated operational voltage              | 690 V AC 50/60 Hz IEC 60947-2                                                                                                                                                                                                                                        |
| [Ui] rated insulation voltage               | 690 V AC 50/60 Hz IEC 60947-2                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-2                                                                                                                                                                                                                                                     |
| Suitability for isolation                   | Yes IEC 60947-1                                                                                                                                                                                                                                                      |
| Power dissipation per pole                  | 2.5 W                                                                                                                                                                                                                                                                |
| Mechanical durability                       | 100000 cycles                                                                                                                                                                                                                                                        |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability   | 100000 cycles AC-3 415 V In<br>100000 cycles AC-3e 415 V In                                                                                                                                                                                                            |
| Rated duty              | Uninterrupted IEC 60947-4-1                                                                                                                                                                                                                                            |
| Connections - terminals | Power circuit screw clamp terminal 2 0.002...0.009 in² (1...6 mm²)solid<br>Power circuit screw clamp terminal 2 0.002...0.009 in² (1.5...6 mm²)flexible without cable end<br>Power circuit screw clamp terminal 2 0.002...0.006 in² (1...4 mm²)flexible with cable end |
| Tightening torque       | 15.05 lbf.in (1.7 N.m) screw clamp terminal                                                                                                                                                                                                                            |
| Fixing mode             | 35 mm symmetrical DIN rail clipped<br>Panel screwed with adaptor plate)                                                                                                                                                                                                |
| Mounting position       | Horizontal<br>Vertical                                                                                                                                                                                                                                                 |
| Width                   | 1.8 in (45 mm)                                                                                                                                                                                                                                                         |
| Height                  | 3.5 in (89 mm)                                                                                                                                                                                                                                                         |
| Depth                   | 3.09 in (78.5 mm)                                                                                                                                                                                                                                                      |

## Environment

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-2<br>EN/IEC 60947-4-1                                          |
| Product Certifications                | CCC<br>UL<br>CSA<br>EAC<br>LROS (Lloyds register of shipping)<br>BV<br>UKCA |
| IK degree of protection               | IK04                                                                        |
| IP degree of protection               | IP20 IEC 60529                                                              |
| Climatic withstand                    | IACS E10                                                                    |
| Ambient Air Temperature for Storage   | -40...176 °F (-40...80 °C)                                                  |
| Fire resistance                       | 1760 °F (960 °C) IEC 60695-2-11                                             |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C)                                                   |
| Mechanical robustness                 | Shocks 30 Gn for 11 ms<br>Vibrations 5 Gn, 5...150 Hz                       |
| Operating altitude                    | <= 6561.68 ft (2000 m)                                                      |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10I1122367  |
| Discount Schedule | 0I11          |
| GTIN              | 3389110520606 |
| Returnability     | No            |
| Country of origin | FR            |

## Packing Units

|                        |                    |
|------------------------|--------------------|
| Unit Type of Package 1 | PCE                |
| Nbr. of units in pkg.  | 1                  |
| Package 1 Height       | 3.35 in (8.500 cm) |
| Package 1 Width        | 3.66 in (9.300 cm) |

|                              |                             |
|------------------------------|-----------------------------|
| Package 1 Length             | 1.89 in (4.800 cm)          |
| Package weight(Lbs)          | 8.007 oz (227.000 g)        |
| Unit Type of Package 2       | S02                         |
| Number of Units in Package 2 | 24                          |
| Package 2 Height             | 5.91 in (15.000 cm)         |
| Package 2 Width              | 11.81 in (30.000 cm)        |
| Package 2 Length             | 15.75 in (40.000 cm)        |
| Package 2 Weight             | 12.796 lb(US) (5.804 kg)    |
| Unit Type of Package 3       | P06                         |
| Number of Units in Package 3 | 384                         |
| Package 3 Height             | 29.53 in (75.000 cm)        |
| Package 3 Width              | 23.62 in (60.000 cm)        |
| Package 3 Length             | 31.50 in (80.000 cm)        |
| Package 3 Weight             | 226.962 lb(US) (102.948 kg) |

## Contractual warranty

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

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint                        |                                               |
|------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 42                                            |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                       |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                       |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions                                                                                                                                                                                                                                 |
| SCIP Number                            | 04104e70-ba29-493c-b2cc-b5837d1f879b                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                         |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

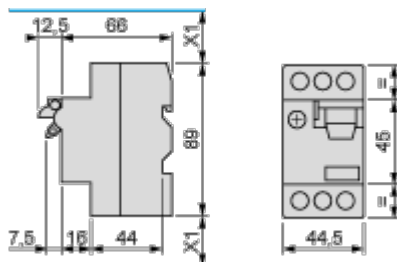
Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                | No                                                                                                                                                                                                               |
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

## Dimensions Drawings

## GV2RT

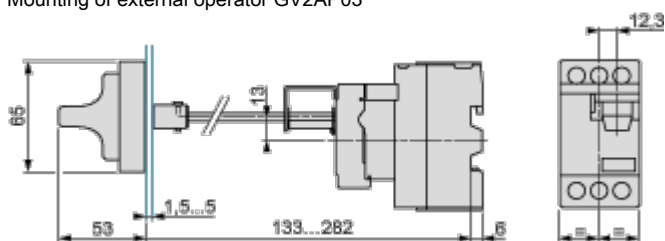
## Dimensions



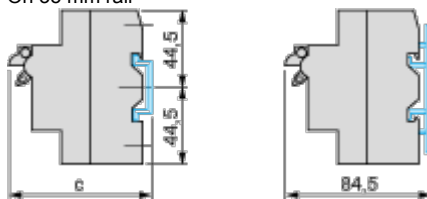
X1: Electrical clearance = 40 mm for  $U_e < 690$  V

## Mounting

### Mounting of external operator GV2AP03



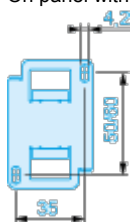
On 35 mm rail



c = 80 on AM1 DP200 (35 x 7.5)

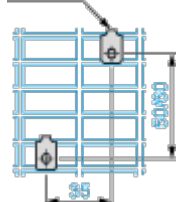
c = 88 on AM1 DE200, ED200 (35 x 15)

On panel with adapter plate GV2AF02

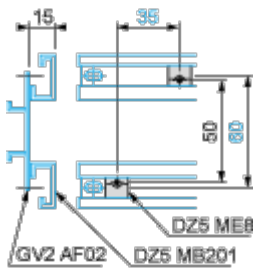


On pre-slotted plate AM1 PA

AF1 EA4

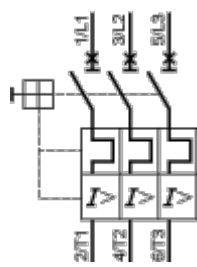


On rails DZ5 MB



Connections and Schema

GV2ME•• and GV2RT



Technical Illustration

Assembly's dimensions

