

# Product data sheet

Specifications



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

GV2RT10

Product availability : Stock - Normally stocked in distribution facility

Price\* : 180.00 USD

### Main

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

### Complementary

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description    | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Network type         | AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Utilisation category | AC-3 IEC 60947-4-1<br>Category A IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network frequency    | 50/60 Hz IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fixing mode          | 35 mm symmetrical DIN rail clipped<br>Panel screwed with adaptor plate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Operating position   | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Motor power kW       | 1.1 kW 220/230 V AC 50/60 Hz motor protection high peak current<br>2.2 kW 400/415 V AC 50/60 Hz motor protection high peak current<br>2.2 kW 440 V AC 50/60 Hz motor protection high peak current<br>3 kW 440 V AC 50/60 Hz motor protection high peak current<br>3 kW 500 V AC 50/60 Hz motor protection high peak current<br>4 kW 690 V AC 50/60 Hz motor protection high peak current<br>1.6 kW 230/240 V AC 50/60 Hz transformer protection<br>2 kW 230/240 V AC 50/60 Hz transformer protection<br>2.5 kW 400/415 V AC 50/60 Hz transformer protection<br>2.5 kW 440 V AC 50/60 Hz transformer protection<br>4 kW 440 V AC 50/60 Hz transformer protection<br>4 kW 500 V AC 50/60 Hz transformer protection<br>4 kW 690 V AC 50/60 Hz transformer protection<br>5 kW 690 V AC 50/60 Hz transformer protection<br>6.3 kW 690 V AC 50/60 Hz transformer protection |
| Breaking capacity    | 100 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2<br>3 kA Icu 690 V AC 50/60 Hz IEC 60947-2<br>50 kA Icu 440 V AC 50/60 Hz IEC 60947-2<br>50 kA Icu 500 V AC 50/60 Hz IEC 60947-2<br>100 kA Icu 220/230 V AC 50/60 Hz IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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

|                                             |                                              |
|---------------------------------------------|----------------------------------------------|
| Control Type                                | Toggle                                       |
| Line Rated Current                          | 6.3 A                                        |
| Thermal protection adjustment range         | 4...6.3 A                                    |
| Magnetic tripping current                   | 138 A                                        |
| [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                |
| [Ith] conventional free air thermal current | 6.3 A IEC 60947-4-1                          |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-2                             |
| Power dissipation per pole                  | 2.5 W                                        |
| Mechanical durability                       | 100000 cycles                                |
| Electrical durability                       | 100000 cycles AC-3 415 V<br>415 V            |
| Maximum operating rate                      | 25 cyc/h                                     |
| Rated duty                                  | Continuous IEC 60947-4-1                     |
| Tightening torque                           | 15.05 lbf.in (1.7 N.m) screw clamp terminals |
| Height                                      | 3.50 in (89 mm)                              |
| Width                                       | 1.77 in (45 mm)                              |
| Depth                                       | 3.09 in (78.5 mm)                            |
| Suitability for isolation                   | Yes IEC 60947-1                              |

## Environment

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

## Ordering and shipping details

|                       |                                  |
|-----------------------|----------------------------------|
| Category              | 22367-MANUAL STR PROTECTOR - GV2 |
| Discount Schedule     | I11                              |
| GTIN                  | 3389110520651                    |
| Nbr. of units in pkg. | 1                                |
| Package weight(Lbs)   | 9.81 oz (278.0 g)                |
| Returnability         | Yes                              |

|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Package 1 Height             | 3.58 in (9.1 cm)          |
| Package 1 width              | 3.74 in (9.5 cm)          |
| Package 1 Length             | 1.97 in (5 cm)            |
| Unit Type of Package 2       | S02                       |
| Number of Units in Package 2 | 24                        |
| Package 2 Weight             | 15.41 lb(US) (6.99 kg)    |
| Package 2 Height             | 5.91 in (15 cm)           |
| Package 2 width              | 11.81 in (30 cm)          |
| Package 2 Length             | 15.75 in (40 cm)          |
| Unit Type of Package 3       | P06                       |
| Number of Units in Package 3 | 384                       |
| Package 3 Weight             | 266.36 lb(US) (120.82 kg) |
| Package 3 Height             | 30.31 in (77 cm)          |
| Package 3 width              | 31.50 in (80 cm)          |
| Package 3 Length             | 23.62 in (60 cm)          |

Offer Sustainability

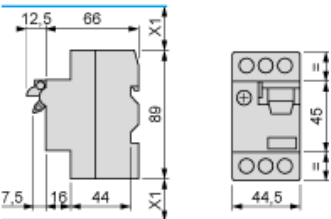
|                            |                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                     |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                         |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                          |
| Mercury free               | Yes                                                                                                                                                                                                                                                       |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                       |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.                                                                                                                                    |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                             |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                                                                                                                                                                   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                              |

Contractual warranty

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

GV2RT

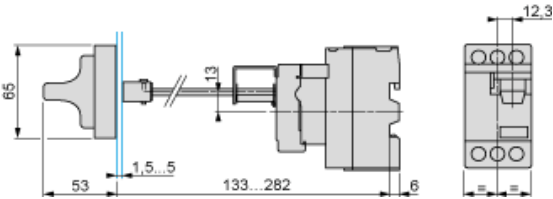
Dimensions



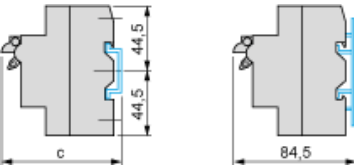
X1: Electrical clearance = 40 mm for Ue < 690 V

Mounting

Mounting of external operator GV2AP03



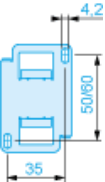
On 35 mm rail



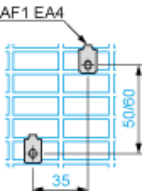
c = 80 on AM1 DP200 (35 x 7.5)

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

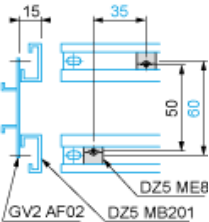
On panel with adapter plate GV2AF02



On pre-slotted plate AM1 PA



On rails DZ5 MB



GV2ME•• and GV2RT

