

# Product data sheet

Specifications



Motor circuit breaker, TeSys Deca, 3P, 0.25-0.4A, thermal magnetic, screw clamp terminals, toggle handle

GV2RT03

## Main

|                           |                                 |
|---------------------------|---------------------------------|
| Range of product          | TeSys GV2                       |
| Range                     | TeSys Deca                      |
| Device short name         | GV2RT                           |
| Product name              | TeSys GV2<br>TeSys Deca         |
| Product or component type | Motor circuit breaker           |
| Device application        | Motor protection<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                         | 35 mm symmetrical DIN rail: clipped<br>Panel: screwed (with adaptor plate)  |
| Operating position                  | Any position  |
| Motor power kW                      | 0.06 kW at 220/230 V AC 50/60 Hz motor protection high peak current<br>0.09 kW at 400/415 V AC 50/60 Hz motor protection high peak current<br>0.09 kW at 440 V AC 50/60 Hz motor protection high peak current<br>0.12 kW at 440 V AC 50/60 Hz motor protection high peak current                                      |
| Breaking capacity                   | 100 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 690 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                  | 0.4 A   |
| Thermal protection adjustment range | 0.25...0.4 A  |
| Magnetic tripping current           | 8 A   |
| [Ue] rated operational voltage      | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| [Ui] rated insulation voltage       | 690 V AC 50/60 Hz conforming to IEC 60947-2   |

|   |  |
|---|--|
| <b>[I<sub>th</sub>] conventional free air thermal current</b> | 0.4 A conforming to IEC 60947-4-1  |
| <b>[U<sub>imp</sub>] rated impulse withstand voltage</b>      | 6 kV conforming to IEC 60947-2   |
| <b>Power dissipation per pole</b>                             | 2.5 W  |
| <b>Mechanical durability</b>                                  | 100000 cycles  |
| <b>Electrical durability</b>                                  | 100000 cycles for AC-3 at 415 V at 415 V   |
| <b>Maximum operating rate</b>                                 | 25 cyc/h   |
| <b>Rated duty</b>   | Continuous conforming to IEC 60947-4-1   |
| <b>Tightening torque</b>                                      | 1.7 N.m on screw clamp terminals   |
| <b>Mechanical robustness</b>                                  | Shocks: 30 Gn conforming to IEC 60068-2-27<br>Vibrations: 5 Gn, 5...150 Hz conforming to IEC 60068-2-6 |
| <b>Height</b>   | 89 mm  |
| <b>Width</b>  | 45 mm  |
| <b>Depth</b>  | 78.5 mm  |
| <b>Suitability for isolation</b>                              | Yes conforming to IEC 60947-1 § 7-1-6  |

## Environment

|  |   |
|--|---|
| <b>Standards</b>                             | EN/IEC 60947-2<br>EN/IEC 60947-4-1  |
| <b>Product certifications</b>                | CCC<br>UL<br>CSA<br>EAC<br>BV<br>LROS (Lloyds register of shipping)<br>UKCA |
| <b>Climatic withstand</b>                    | conforming to IACS E10  |
| <b>IK degree of protection</b>               | IK04  |
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529  |
| <b>Ambient air temperature for storage</b>   | -40...80 °C   |
| <b>Fire resistance</b>                       | 960 °C conforming to IEC 60695-2-11   |
| <b>Operating altitude</b>                    | 2000 m  |
| <b>Ambient air temperature for operation</b> | -20...60 °C   |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Weight</b>             | 225.0 g  |
| <b>Package 1 Height</b>             | 9.3 cm   |
| <b>Package 1 width</b>              | 4.8 cm   |
| <b>Package 1 Length</b>             | 8.5 cm   |
| <b>Unit Type of Package 2</b>       | S02      |
| <b>Number of Units in Package 2</b> | 24       |
| <b>Package 2 Weight</b>             | 5.731 kg |
| <b>Package 2 Height</b>             | 15.0 cm  |
| <b>Package 2 width</b>              | 30.0 cm  |

|                              |           |
|------------------------------|-----------|
| Package 2 Length             | 40.0 cm   |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 288       |
| Package 3 Weight             | 79.912 kg |
| Package 3 Height             | 77.0 cm   |
| Package 3 width              | 80.0 cm   |
| Package 3 Length             | 60.0 cm   |

## Offer Sustainability

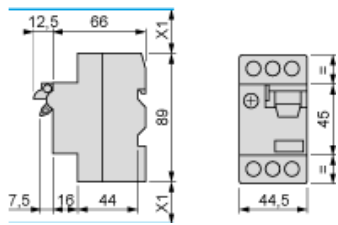
|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| RoHS exemption information | Yes   |
| 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   |
| 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> |

## Contractual warranty

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

**GV2RT**

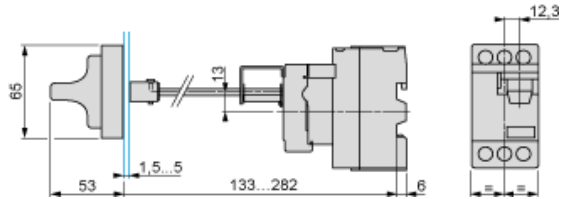
**Dimensions**



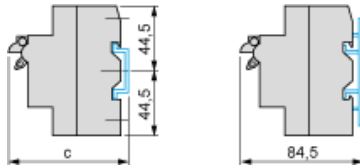
X1: Electrical clearance = 40 mm for  $U_e < 690$  V

**Mounting**

Mounting of external operator GV2AP03



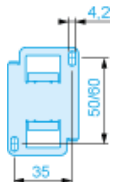
On 35 mm rail



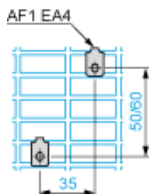
c = 80 on AM1 DP200 (35 x 7.5)

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

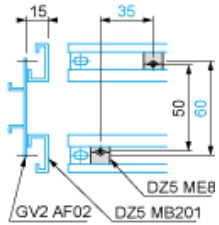
On panel with adapter plate GV2AF02



On pre-slotted plate AM1 PA



On rails DZ5 MB



GV2ME•• and GV2RT

