



## Main

|                           |                         |
|---------------------------|-------------------------|
| Range                     | TeSys Deca              |
| Product name              | TeSys GV2<br>TeSys Deca |
| Product or component type | Motor circuit breaker   |
| Device short name         | GV2ME                   |
| Device application        | Motor protection        |
| Trip unit technology      | Thermal-magnetic        |

## Complementary

|                                                     |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description                                   | 3P                                                                                                                                                                                                                                                                                                                    |
| Network type                                        | AC                                                                                                                                                                                                                                                                                                                    |
| Utilisation category                                | Category A conforming to IEC 60947-2<br>AC-3 conforming to IEC 60947-4-1                                                                                                                                                                                                                                              |
| 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)                                                                                                                                                                                                                                            |
| Motor power kW                                      | 0.12 kW at 400/415 V AC 50/60 Hz<br>0.18 kW at 400/415 V AC 50/60 Hz<br>0.37 kW at 690 V AC 50/60 Hz                                                                                                                                                                                                                  |
| Breaking capacity                                   | 100 KA Icu at 230/240 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 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 |
| [Ics] rated service short-circuit breaking capacity | 100 % at 230/240 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<br>100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2                          |
| Control type                                        | Push-button                                                                                                                                                                                                                                                                                                           |
| [In] rated current                                  | 0.63 A                                                                                                                                                                                                                                                                                                                |
| Thermal protection adjustment range                 | 0.4...63 A conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                |
| Magnetic tripping current                           | 8 A                                                                                                                                                                                                                                                                                                                   |
| [Ith] conventional free air thermal current         | 0.63 A conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                    |
| [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                                                                                                                                                                                                                                                                           |
| [Uimp] rated impulse withstand voltage              | 6 KV conforming to IEC 60947-2                                                                                                                                                                                                                                                                                        |
| Phase failure sensitivity                           | Yes conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                       |

|                            |                                        |
|----------------------------|----------------------------------------|
| Suitability for isolation  | Yes conforming to IEC 60947-1 § 7-1-6  |
| Power dissipation per pole | 2.5 W                                  |
| Mechanical durability      | 100000 Cycles                          |
| Electrical durability      | 100000 Cycles for AC-3 at 415 V In     |
| Rated duty                 | Continuous conforming to IEC 60947-4-1 |
| Tightening torque          | 1.7 N.M - on screw clamp terminal      |
| Width                      | 45 Mm                                  |
| Height                     | 89 Mm                                  |
| Depth                      | 78.5 Mm                                |
| Product weight             | 0.26 Kg                                |
| Colour                     | Dark grey                              |

## Environment

|                                       |                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-2<br>EN/IEC 60947-4-1                                                                            |
| Product certifications                | CCC<br>UL<br>CSA<br>EAC<br>ATEX<br>LROS (Lloyds register of shipping)<br>BV<br>RINA<br>DNV-GL<br>UKCA<br>UKCA |
| IK degree of protection               | IK04                                                                                                          |
| IP degree of protection               | IP20 conforming to IEC 60529                                                                                  |
| Climatic withstand                    | Conforming to IACS E10                                                                                        |
| Ambient air temperature for storage   | -40...80 °C                                                                                                   |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-11                                                                           |
| Ambient air temperature for operation | -20...60 °C                                                                                                   |
| Mechanical robustness                 | Shocks: 30 Gn for 11 ms<br>Vibrations: 5 Gn, 5...150 Hz                                                       |
| Operating altitude                    | 2000 m                                                                                                        |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 4.500 Cm   |
| Package 1 Width              | 8.500 Cm   |
| Package 1 Length             | 9.500 Cm   |
| Package 1 Weight             | 231.000 G  |
| Unit Type of Package 2       | S02        |
| Number of Units in Package 2 | 24         |
| Package 2 Height             | 15.000 Cm  |
| Package 2 Width              | 30.000 Cm  |
| Package 2 Length             | 40.000 Cm  |
| Package 2 Weight             | 5.795 Kg   |
| Unit Type of Package 3       | P06        |
| Number of Units in Package 3 | 384        |
| Package 3 Height             | 75.000 Cm  |
| Package 3 Width              | 80.000 Cm  |
| Package 3 Length             | 60.000 Cm  |
| Package 3 Weight             | 100.720 Kg |

## Offer Sustainability

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

Product Life Status : **Commercialised**