



Main

|   |  |
|---|--|
| Range   | TeSys  |
| Product name  | TeSys GB2  |
| Device short name                                   | GB2  |
| Product or component type                           | Circuit breaker  |
| Device application                                  | Control  |
| Poles description                                   | 2P   |
| Network type  | AC/DC  |
| Utilisation category                                | Category A conforming to IEC 60947-2<br>DC-12 conforming to IEC 60947-5-1<br>DC-13 conforming to IEC 60947-5-1   |
| Network frequency                                   | 50/60 Hz conforming to IEC 60947-2   |
| Breaking capacity                                   | 2 KA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>1.5 KA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>1.5 KA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2<br>1.5 kA Icu at 24 V DC conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>75 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2  |
| Trip unit technology                                | Thermal-magnetic   |
| Magnetic tripping current                           | 220 A  |

Complementary

|   |  |
|---|--|
| Mounting mode                           | By clips   |
| Mounting support                        | Plate<br>Rail  |
| Mounting position                       | Horizontal<br>Vertical   |
| Control type                            | Toggle   |
| [In] rated current                      | 16 A   |
| [Ue] rated operational voltage          | 415 V AC 50/60 Hz conforming to IEC 60947-2<br>48 V DC   |
| [Uiimp] rated impulse withstand voltage | IEC 60947-2 4 kV   |
| Power dissipation per pole              | 2 W  |
| Mechanical durability                   | 8000 cycles  |
| Electrical durability                   | 8000 cycles  |
| Connections - terminals                 | Connector 1 cable(s) 0.75...6 mm <sup>2</sup> solid without cable end<br>Connector 2 cable(s) 0.75...4 mm <sup>2</sup> solid without cable end<br>Connector 1 cable(s) 0.75...4 mm <sup>2</sup> flexible with cable end<br>Connector 2 cable(s) 0.75...2.5 mm <sup>2</sup> flexible with cable end |
| Tightening torque                       | 1.2 N.m on connector   |
| Mechanical robustness                   | Shocks: 22 Gn for 20 ms conforming to IEC 60068-2-27<br>Vibrations: 5 Gn, 5...110 Hz conforming to IEC 60068-2-6   |
| Quantity per set                        | Set of 3   |
| 9 mm pitches                            | 4  |
| Height                                  | 74 mm  |

|            |          |
|------------|----------|
| Width      | 30 mm    |
| Depth      | 70 mm    |
| Net weight | 0.115 kg |

## Environment

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2   |
| Protective treatment                  | TC                                 |
| IP degree of protection               | IP20 conforming to IEC 60529       |
| Ambient air temperature for operation | -20...60 °C                        |
| Ambient air temperature for storage   | -40...80 °C                        |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-1 |
| Operating altitude                    | 3000 m                             |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 113 g    |
| Package 1 Height             | 8 cm     |
| Package 1 width              | 8.5 cm   |
| Package 1 Length             | 9.6 cm   |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 3        |
| Package 2 Weight             | 340 g    |
| Package 2 Height             | 8 cm     |
| Package 2 width              | 8.5 cm   |
| Package 2 Length             | 9.6 cm   |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 36       |
| Package 3 Weight             | 4.392 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 30 cm    |
| Package 3 Length             | 40 cm    |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information |  Yes   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</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 |
|----------|-----------|