

# Product datasheet

Specifications



## Thermal magnetic circuit breaker, TeSys GB2, 1P, 6 A, Icu 1.5 kA@240 V

Local distributor code: 2219909 GB2CB12

### Main

|   |  |
|---|--|
| Range   | TeSys  |
| Product name  | TeSys GB2  |
| Device short name                                   | GB2  |
| Product or component type                           | Circuit breaker  |
| Device application                                  | Control  |
| Poles description                                   | 1P   |
| 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                                   | 3 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 24 V DC conforming to IEC 60947-2<br>1 kA Icu at 48 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   |
| Trip unit technology                                | Thermal-magnetic   |
| Magnetic tripping current                           | 83 A   |

### Complementary

|  |   |
|--|---|
| Mounting mode                          | By clips  |
| Mounting support                       | Rail<br>Plate   |
| Mounting position                      | Vertical<br>Horizontal  |
| Control type                           | Toggle  |
| [In] rated current                     | 6 A   |
| [Ue] rated operational voltage         | 250 V AC 50/60 Hz conforming to IEC 60947-2<br>277 V AC 60 Hz conforming to CSA C22.2 No 235<br>277 V AC 60 Hz conforming to UL 1077<br>48 V DC |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-2  |
| Power dissipation per pole             | 2 W   |
| Mechanical durability                  | 8000 cycles   |

|                                |  |
|--------------------------------|--|
| <b>Electrical durability</b>   | 8000 cycles  |
| <b>Connections - terminals</b> | 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 |
| <b>Tightening torque</b>       | 1.2 N.m on connector   |
| <b>Mechanical robustness</b>   | 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   |
| <b>Quantity per set</b>        | Set of 6   |
| <b>9 mm pitches</b>            | 2  |
| <b>Height</b>                  | 74 mm  |
| <b>Width</b>                   | 15 mm  |
| <b>Depth</b>                   | 67 mm  |

## Environment

|  |   |
|--|---|
| <b>Standards</b>                             | EN/IEC 60947-1<br>EN/IEC 60947-2<br>CSA C22.2 No 235<br>UL 1077 |
| <b>Product certifications</b>                | UL<br>CSA   |
| <b>Protective treatment</b>                  | TC  |
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529                                    |
| <b>Ambient air temperature for operation</b> | -20...60 °C   |
| <b>Ambient air temperature for storage</b>   | -40...80 °C   |
| <b>Fire resistance</b>                       | 960 °C conforming to IEC 60695-2-1                              |
| <b>Operating altitude</b>                    | 3000 m  |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Weight</b>             | 54.0 g   |
| <b>Package 1 Height</b>             | 1.5 cm   |
| <b>Package 1 width</b>              | 6.9 cm   |
| <b>Package 1 Length</b>             | 7.4 cm   |
| <b>Unit Type of Package 2</b>       | BB1      |
| <b>Number of Units in Package 2</b> | 6        |
| <b>Package 2 Weight</b>             | 331.0 g  |
| <b>Package 2 Height</b>             | 8 cm     |
| <b>Package 2 width</b>              | 10 cm    |
| <b>Package 2 Length</b>             | 8 cm     |
| <b>Unit Type of Package 3</b>       | S02      |
| <b>Number of Units in Package 3</b> | 72       |
| <b>Package 3 Weight</b>             | 4.363 kg |
| <b>Package 3 Height</b>             | 15 cm    |
| <b>Package 3 width</b>              | 30 cm    |
| <b>Package 3 Length</b>             | 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<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| 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 |
|----------|-----------|