

## GB2CD22

TeSys, Circuit breaker, TeSys GB2, 1P+N, 20A, Icu 1.5kA at 240V, Thermal magnetic, DIN rail mounted



### Main

|   |   |
|---|---|
| Range   | TeSys   |
| Product name  | TeSys GB2   |
| Device short name                                   | GB2   |
| Product or component type                           | Circuit breaker   |
| Device application                                  | Control   |
| Poles description                                   | 1P + N  |
| 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 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  |
| Trip unit technology                                | Thermal-magnetic  |
| Magnetic tripping current                           | 270 A   |

### Complementary

|  |  |
|--|--|
| Mounting mode                          | By clips   |
| Mounting support                       | Plate<br>Rail  |
| Mounting position                      | Vertical<br>Horizontal   |
| Control type                           | Toggle   |
| [In] rated current                     | 20 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  |
| 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 6   |
| 9 mm pitches                           | 2  |
| Height                                 | 74 mm  |
| Width                                  | 15 mm  |

|            |         |
|------------|---------|
| Depth      | 67 mm   |
| Net weight | 0.07 kg |




## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2<br>CSA C22.2 No 235<br>UL 1077 |
| Product certifications                | UL<br>CSA   |
| 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 Height             | 8.0 cm   |
| Package 1 Width              | 8.0 cm   |
| Package 1 Length             | 10.0 cm  |
| Package 1 Weight             | 65.0 g   |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 6        |
| Package 2 Height             | 8.0 cm   |
| Package 2 Width              | 10.0 cm  |
| Package 2 Length             | 8.0 cm   |
| Package 2 Weight             | 395.0 g  |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 72       |
| Package 3 Height             | 15.0 cm  |
| Package 3 Width              | 30.0 cm  |
| Package 3 Length             | 40.0 cm  |
| Package 3 Weight             | 5.223 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</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 |
|----------|-----------|