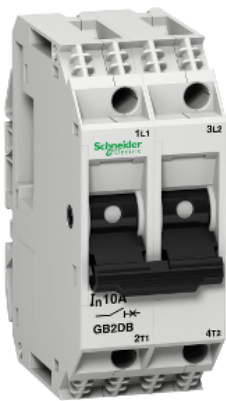


# Product datasheet

Specifications



## Thermal magnetic circuit breaker, TeSys GB2, 2P, 4 A, Icu 3 kA@415 V

Local distributor code: 386187100    GB2DB09

### 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                                   | 6 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>3 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>3 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<br>1 kA Icu at 48 V DC conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>50 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                 |
| Trip unit technology                                | Thermal-magnetic                                                                                                                                                                                                                                                                          |
| Magnetic tripping current                           | 50 A                                                                                                                                                                                                                                                                                      |

### Complementary

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Mounting mode                          | By clips                                               |
| Mounting support                       | Rail<br>Plate                                          |
| Mounting position                      | Horizontal<br>Vertical                                 |
| Control type                           | Toggle                                                 |
| [In] rated current                     | 4 A                                                    |
| [Ue] rated operational voltage         | 415 V AC 50/60 Hz conforming to IEC 60947-2<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 mm²solid without cable end<br>Connector 2 cable(s) 0.75...4 mm²solid without cable end<br>Connector 1 cable(s) 0.75...4 mm²flexible with cable end<br>Connector 2 cable(s) 0.75...2.5 mm²flexible 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             | 107.0 g  |
| Package 1 Height             | 8 cm     |
| Package 1 width              | 9.6 cm   |
| Package 1 Length             | 8.5 cm   |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 3        |
| Package 2 Weight             | 345.0 g  |
| Package 2 Height             | 8 cm     |
| Package 2 width              | 9.6 cm   |
| Package 2 Length             | 8.5 cm   |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 36       |
| Package 3 Weight             | 4.444 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<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 |
|----------|-----------|