# Product datasheet

Specifications

Green Premium™

## Circuit breaker, TeSys GB2, 1P, 1A, Icu 50kA at 240V, Thermal magnetic, DIN rail mounted

GB2CB06

## 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** | 50 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>50 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** | 25 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Trip Unit Technology** | Thermal-magnetic |
| **Magnetic Tripping Current** | 14 A |

## Complementary

| | |
|---|---|
| **Mounting Mode** | By clips |
| **Mounting Support** | Plate<br>Rail |
| **Mounting Position** | Horizontal<br>Vertical |
| **Control Type** | Toggle |
| **[In] Rated Current** | 1 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 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|---|---|
| **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 6 |
| **9 Mm Pitches** | 2 |
| **Height** | 74 mm |
| **Width** | 15 mm |
| **Depth** | 67 mm |

## Environment

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|---|---|
| **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

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 1.500 cm |
| **Package 1 Width** | 6.900 cm |
| **Package 1 Length** | 7.400 cm |
| **Package 1 Weight** | 50.900 g |
| **Unit Type Of Package 2** | BB1 |
| **Number Of Units In Package 2** | 6 |
| **Package 2 Height** | 9.200 cm |
| **Package 2 Width** | 10.200 cm |
| **Package 2 Length** | 10.200 cm |
| **Package 2 Weight** | 332.000 g |
| **Unit Type Of Package 3** | S02 |
| **Number Of Units In Package 3** | 72 |
| **Package 3 Height** | 15.000 cm |
| **Package 3 Width** | 30.000 cm |
| **Package 3 Length** | 40.000 cm |

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|---|---|
| **Package 3 Weight** | 4.330 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

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|---|---|
| Reach Free Of Svhc | |
| Toxic Heavy Metal Free | |
| Mercury Free | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | No need of specific recycling operations |