

Product data sheet

Specifications



Circuit breaker, TeSys GB2, 1P, 6A, Icu 1.5kA at 240V, Thermal magnetic, DIN rail mounted

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 DC-12 conforming to IEC 60947-5-1 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 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 24 V DC conforming to IEC 60947-2 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 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

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|--|---|
| Mounting Mode | By clips |
| Mounting Support | Rail Plate |
| Mounting Position | Vertical Horizontal |
| Control Type | Toggle |
| [In] Rated Current | 6 A |
| [Ue] Rated Operational Voltage | 250 V AC 50/60 Hz conforming to IEC 60947-2 277 V AC 60 Hz conforming to CSA C22.2 No 235 277 V AC 60 Hz conforming to UL 1077 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 Connector 2 cable(s) 0.75...4 mm²solid without cable end Connector 1 cable(s) 0.75...4 mm²flexible with cable end 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 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 EN/IEC 60947-2 CSA C22.2 No 235 UL 1077 |
| Product Certifications | UL 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 | 1.5 cm |
| Package 1 Width | 6.9 cm |
| Package 1 Length | 7.4 cm |
| Package 1 Weight | 54.0 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 | 331.0 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 |

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| Package 3 Weight | 4.363 kg |
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Contractual warranty

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| Warranty | 18 months |
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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-CO₂ 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

| | | |
|---|----------------------------|-----|
| ✓ | 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 EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration 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 |
| California Proposition 65 | WARNING: Cancer - www.P65Warnings.ca.gov |