# Product data sheet

Specifications

Green Premium™

## TeSys GB2 thermal magnetic circuit protector, 2 P, 5 A, Id = 66 A

GB2DB10

**Product availability: Non-Stock - Not normally stocked in distribution facility**

**Price*: 93.00 USD**

## 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 IEC 60947-2<br>DC-12 IEC 60947-5-1<br>DC-13 IEC 60947-5-1 |
| **Network Frequency** | 50/60 Hz IEC 60947-2 |
| **Breaking Capacity** | 3 kA Icu 110 V AC 50/60 Hz IEC 60947-2<br>2 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2<br>2 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2<br>1.5 kA Icu 24 V DC IEC 60947-2<br>1 kA Icu 48 V DC IEC 60947-2 |
| **[Ics] Rated Service Short-Circuit Breaking Capacity** | 75 % 110 V AC 50/60 Hz IEC 60947-2<br>75 % 230/240 V AC 50/60 Hz IEC 60947-2<br>75 % 400/415 V AC 50/60 Hz IEC 60947-2 |
| **Trip Unit Technology** | Thermal-magnetic |
| **Magnetic Tripping Current** | 66 A |

## Complementary

| | |
|---|---|
| **Mounting Mode** | By clips |
| **Mounting Support** | Plate<br>Rail |
| **Mounting Position** | Vertical<br>Horizontal |
| **Control Type** | Toggle |
| **Line Rated Current** | 5 A |
| **[Ue] Rated Operational Voltage** | 415 V AC 50/60 Hz IEC 60947-2<br>48 V DC |
| **[Uimp] Rated Impulse Withstand Voltage** | 4 kV IEC 60947-2 |
| **Power Dissipation Per Pole** | 2 W |
| **Mechanical Durability** | 8000 cycles |
| **Electrical Durability** | 8000 cycles |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

| | |
|---|---|
| **Connections - Terminals** | connector 1 0.00…0.01 in² (0.75…6 mm²)solid without cable end<br>connector 2 0.00…0.01 in² (0.75…4 mm²)solid without cable end<br>connector 1 0.00…0.01 in² (0.75…4 mm²)flexible with cable end<br>connector 2 0.00…0.00 in² (0.75…2.5 mm²)flexible with cable end |
| **Tightening Torque** | 10.62 lbf.in (1.2 N.m) connector |
| **Mechanical Robustness** | Shocks 22 Gn for 20 ms IEC 60068-2-27<br>Vibrations 5 Gn, 5...110 Hz IEC 60068-2-6 |
| **Quantity Per Set** | Set of 3 |
| **9 Mm Pitches** | 4 |
| **Height** | 2.91 in (74 mm) |
| **Width** | 1.18 in (30 mm) |
| **Depth** | 2.76 in (70 mm) |
| **Net Weight** | 0.25 lb(US) (0.115 kg) |

## Environment

| | |
|---|---|
| **Standards** | EN/IEC 60947-1<br>EN/IEC 60947-2 |
| **Protective Treatment** | TC |
| **Ip Degree Of Protection** | IP20 IEC 60529 |
| **Ambient Air Temperature For Operation** | -4…140 °F (-20…60 °C) |
| **Ambient Air Temperature For Storage** | -40…176 °F (-40…80 °C) |
| **Fire Resistance** | 1760 °F (960 °C) IEC 60695-2-1 |
| **Operating Altitude** | 9842.52 ft (3000 m) |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US1000I22631 |
| **Discount Schedule** | 000I |
| **Gtin** | 3389110865486 |
| **Returnability** | No |
| **Country Of Origin** | FR |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 3.15 in (8.000 cm) |
| **Package 1 Width** | 3.82 in (9.700 cm) |
| **Package 1 Length** | 3.35 in (8.500 cm) |
| **Package 1 Weight** | 3.74 oz (106.000 g) |
| **Unit Type Of Package 2** | BB1 |
| **Number Of Units In Package 2** | 3 |
| **Package 2 Height** | 3.35 in (8.500 cm) |
| **Package 2 Width** | 3.35 in (8.500 cm) |
| **Package 2 Length** | 3.94 in (10.000 cm) |
| **Package 2 Weight** | 12.06 oz (342.000 g) |

| | |
|---|---|
| **Unit Type Of Package 3** | S02 |
| **Number Of Units In Package 3** | 36 |
| **Package 3 Height** | 5.91 in (15.000 cm) |
| **Package 3 Width** | 11.81 in (30.000 cm) |
| **Package 3 Length** | 15.75 in (40.000 cm) |
| **Package 3 Weight** | 9.89 lb(US) (4.488 kg) |

## Contractual warranty

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

| | |
|---|---|
| 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 |
| **California Proposition 65** | WARNING: Cancer - www.P65Warnings.ca.gov |