# Product data sheet

Specifications



## TeSys GB2 thermal magnetic circuit protector, 1 P + N, 4 A, Id = 52 A

GB2CD09

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

## Price*: 52.00 USD

## 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 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** | 6 kA Icu 110 V AC 50/60 Hz IEC 60947-2<br>3 kA Icu 230/240 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** | 50 % 110 V AC 50/60 Hz IEC 60947-2<br>50 % 230/240 V AC 50/60 Hz IEC 60947-2 |
| **Trip Unit Technology** | Thermal-magnetic |
| **Magnetic Tripping Current** | 52 A |

## Complementary

| | |
|---|---|
| **Mounting Mode** | By clips |
| **Mounting Support** | Rail<br>Plate |
| **Mounting Position** | Horizontal<br>Vertical |
| **Control Type** | Toggle |
| **Line Rated Current** | 4 A |
| **[Ue] Rated Operational Voltage** | 250 V AC 50/60 Hz IEC 60947-2<br>277 V AC 60 Hz CSA C22.2 No 235<br>277 V AC 60 Hz UL 1077<br>48 V DC |
| **[Uimp] Rated Impulse Withstand Voltage** | 4 kV IEC 60947-2 |
| **Power Dissipation Per Pole** | 2 W |
| **Mechanical 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.

| Electrical Durability | 8000 cycles |
|---|---|
| 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 6 |
| 9 Mm Pitches | 2 |
| Height | 2.91 in (74 mm) |
| Width | 0.59 in (15 mm) |
| Depth | 2.64 in (67 mm) |
| Net Weight | 0.15 lb(US) (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 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 | 3389110214918 |
| Returnability | No |
| Country Of Origin | FR |

# Packing Units

| Unit Type Of Package 1 | PCE |
|---|---|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 0.59 in (1.5 cm) |
| Package 1 Width | 2.68 in (6.8 cm) |
| Package 1 Length | 2.91 in (7.4 cm) |
| Package 1 Weight | 2.19 oz (62.0 g) |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 6 |

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| | |
|---|---|
| **Package 2 Height** | 3.07 in (7.8 cm) |
| **Package 2 Width** | 3.86 in (9.8 cm) |
| **Package 2 Length** | 3.07 in (7.8 cm) |
| **Package 2 Weight** | 13.83 oz (392.0 g) |
| **Unit Type Of Package 3** | S02 |
| **Number Of Units In Package 3** | 72 |
| **Package 3 Height** | 5.91 in (15.0 cm) |
| **Package 3 Width** | 11.81 in (30.0 cm) |
| **Package 3 Length** | 15.75 in (40.0 cm) |
| **Package 3 Weight** | 11.10 lb(US) (5.036 kg) |

# Contractual warranty

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

# Sustainability

**Green Premium<sup>TM</sup> 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

**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