

Product data sheet

Specifications



Thermal magnetic circuit breaker, TeSys GB2, 1P, 1 A, Icu 50 kA@240 V

GB2CB06

Main

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| 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 | 50 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 50 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 | 25 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip unit technology | Thermal-magnetic |
| Magnetic tripping current | 14 A |

Complementary

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| Mounting mode | By clips |
| Mounting support | Plate Rail |
| Mounting position | Horizontal Vertical |
| Control type | Toggle |
| [In] rated current | 1 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 |

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|--------------------------------|--|
| Electrical durability | 8000 cycles |
| Connections - terminals | Connector 1 cable(s) 0.75...6 mm ² solid without cable end Connector 2 cable(s) 0.75...4 mm ² solid without cable end Connector 1 cable(s) 0.75...4 mm ² flexible with cable end Connector 2 cable(s) 0.75...2.5 mm ² flexible 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 Weight | 50.9 g |
| Package 1 Height | 1.5 cm |
| Package 1 width | 6.9 cm |
| Package 1 Length | 7.4 cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 332.0 g |
| Package 2 Height | 9.2 cm |
| Package 2 width | 10.2 cm |
| Package 2 Length | 10.2 cm |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 72 |
| Package 3 Weight | 4.33 kg |
| Package 3 Height | 15.0 cm |
| Package 3 width | 30.0 cm |
| Package 3 Length | 40.0 cm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| 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 |
| California proposition 65 | WARNING: Cancer - www.P65Warnings.ca.gov |

Contractual warranty

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| Warranty | 18 months |
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