

GB2DB12

TeSys GB2 thermal magnetic circuit protector,
2 P, 6 A, I_d = 83 A



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 | 2P |
| Network type | AC/DC |
| Utilisation category | Category A IEC 60947-2 DC-12 IEC 60947-5-1 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 1.5 KA Icu 230/240 V AC 50/60 Hz IEC 60947-2 1.5 KA Icu 400/415 V AC 50/60 Hz IEC 60947-2 1.5 KA Icu 24 V DC IEC 60947-2 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 75 % 230/240 V AC 50/60 Hz IEC 60947-2 75 % 400/415 V AC 50/60 Hz 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 | Horizontal Vertical |
| Control Type | Toggle |
| Line Rated Current | 6 A |
| [Ue] rated operational voltage | 415 V AC 50/60 Hz IEC 60947-2 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 |
| Connections - terminals | Connector 1 0.00...0.01 in ² (0.75...6 mm ²)solid without cable end Connector 2 0.00...0.01 in ² (0.75...4 mm ²)solid without cable end Connector 1 0.00...0.01 in ² (0.75...4 mm ²)flexible with cable end Connector 2 0.00...0.00 in ² (0.75...2.5 mm ²)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 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) |

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Environment

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|---------------------------------------|----------------------------------|
| Standards | EN/IEC 60947-1 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

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|-------------------|----------------------------------|
| Category | 22631-TELE CIRCUIT BREAKER (GB2) |
| Discount Schedule | I |
| GTIN | 3389110865493 |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.19 in (8.1 cm) |
| Package 1 Width | 3.35 in (8.5 cm) |
| Package 1 Length | 3.78 in (9.6 cm) |
| Package 1 Weight | 3.92 oz (111.0 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 3.19 in (8.1 cm) |
| Package 2 Width | 3.35 in (8.5 cm) |
| Package 2 Length | 3.78 in (9.6 cm) |
| Package 2 Weight | 11.82 oz (335.0 g) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 36 |
| 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 | 9.73 lb(US) (4.413 kg) |

Offer Sustainability

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| California proposition 65 | WARNING: Cancer - www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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