



### Main

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|--|--|
| Range of product   | TeSys GB2  |
| Device short name  | GB2  |
| Product or component type  | Circuit breaker  |
| Circuit breaker application                                      | Control circuit  |
| Poles description  | 1P + N   |
| Network type   | AC<br>DC   |
| Utilisation category   | DC-13 conforming to IEC 60947-5-1<br>DC-12 conforming to IEC 60947-5-1<br>Category A conforming to IEC 60947-2   |
| Network frequency  | 50/60 Hz conforming to IEC 60947-2   |
| Breaking capacity  | I <sub>cu</sub> = 3 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 1.5 kA at 24 V DC conforming to IEC 60947-2<br>I <sub>cu</sub> = 6 kA at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 1 kA at 48 V DC conforming to IEC 60947-2 |
| [I <sub>cs</sub> ] rated service short-circuit breaking capacity | 50 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2   |
| Trip unit technology   | Thermal-magnetic   |
| Magnetic tripping current  | 52 A   |

### Complementary

|   |  |
|---|--|
| Mounting mode                                       | By clips   |
| Mounting support                                    | Plate<br>Rail  |
| Mounting position                                   | Horizontal<br>Vertical   |
| Control type  | Toggle   |
| [I <sub>n</sub> ] rated current                     | 4 A  |
| [U <sub>e</sub> ] rated operational voltage         | 48 V DC<br>250 V AC 50/60 Hz conforming to IEC 60947-2   |
| [U <sub>imp</sub> ] 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  |
| Connections - terminals                             | Connector 2 cable(s) 0.75...2.5 mm <sup>2</sup> - cable stiffness : flexible - with cable end<br>Connector 1 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end<br>Connector 2 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness : solid - without cable end<br>Connector 1 cable(s) 0.75...6 mm <sup>2</sup> - cable stiffness : solid - without cable end |
| Tightening torque                                   | 1.2 N.m - on connector   |
| Mechanical robustness                               | Vibrations 5 Gn, 5...110 Hz conforming to IEC 60068-2-6<br>Shocks 22 Gn for 20 ms conforming to IEC 60068-2-27   |
| Quantity per set                                    | Set of 6   |
| Height  | 74 mm  |
| Width   | 15 mm  |
| Depth   | 67 mm  |
| Product weight                                      | 0.07 kg  |

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## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN 60947-1<br>EN 60947-2<br>IEC 60947-1<br>IEC 60947-2 |
| Product certifications                | NEMKO<br>UL  |
| 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   |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
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