



### Main

|                                                     |                                                                                                                                                        |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 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>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                                                                           |
| Trip unit technology                                | Thermal-magnetic                                                                                                                                       |
| Magnetic tripping current                           | 66 A                                                                                                                                                   |

### Complementary

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting Mode                                       | By clips                                                                                                                                                                                                                                                                                                                                                                               |
| Mounting Support                                    | Rail<br>Plate                                                                                                                                                                                                                                                                                                                                                                          |
| Mounting position                                   | Horizontal<br>Vertical                                                                                                                                                                                                                                                                                                                                                                 |
| Control Type                                        | Toggle                                                                                                                                                                                                                                                                                                                                                                                 |
| Line Rated Current                                  | 5 A                                                                                                                                                                                                                                                                                                                                                                                    |
| [U <sub>e</sub> ] 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                                                                                                                                                                                                                                                                                  |
| [U <sub>imp</sub> ] 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 <sup>2</sup> (0.75...6 mm <sup>2</sup> )solid without cable end<br>Connector 2 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )solid without cable end<br>Connector 1 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible with cable end<br>Connector 2 0.00...0.00 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> )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)                                                                                                                                                                                                                                                                                                                                                                        |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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          | 22631-TELE CIRCUIT BREAKER (GB2) |
| Discount Schedule | I                                |
| GTIN              | 3389110214635                    |
| Returnability     | Yes                              |
| Country of origin | FR                               |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 3.74 in (9.5 cm)       |
| Package 1 Width              | 3.74 in (9.5 cm)       |
| Package 1 Length             | 4.13 in (10.5 cm)      |
| Package 1 Weight             | 1.90 oz (54.0 g)       |
| Unit Type of Package 2       | BB1                    |
| Number of Units in Package 2 | 6                      |
| Package 2 Height             | 3.74 in (9.5 cm)       |
| Package 2 Width              | 4.13 in (10.5 cm)      |
| Package 2 Length             | 3.74 in (9.5 cm)       |
| Package 2 Weight             | 11.99 oz (340.0 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             | 9.67 lb(US) (4.384 kg) |

## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65  | WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                                         |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                            |
| REACH free of SVHC         | Yes                                                                                                                          |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>                                                                                |
| Toxic heavy metal free     | Yes                                                                                                                          |
| Mercury free               | Yes                                                                                                                          |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                          |
| 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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