

# GB2CD06

## TeSys GB2 - thermal-magnetic circuit breaker - 1P + N - 1 A - Id = 14 A

Product availability: Stock - Normally stocked in distribution facility



### Main

|                                                     |                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Commercial Status                                   | Commercialised                                                                                                                                                                                                                       |
| 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                                   | Icu = 50 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu = 1.5 kA at 24 V DC conforming to IEC 60947-2<br>Icu = 50 kA at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu = 1 kA 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<br>50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                       |
| Trip unit technology                                | Thermal-magnetic                                                                                                                                                                                                                     |
| Magnetic tripping current                           | 14 A                                                                                                                                                                                                                                 |

### Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting mode                          | By clips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mounting support                       | Plate<br>Rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mounting position                      | Horizontal<br>Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Control type                           | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [In] rated current                     | 1 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ue] rated operational voltage         | 48 V DC<br>250 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [Uimp] 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...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end<br>Connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end<br>Connector 2 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness : solid - without cable end<br>Connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...6 mm <sup>2</sup> ) - cable stiffness : solid - without cable end |
| Tightening torque                      | 10.62 lbf.in (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                                 | 2.91 in (74 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                |                       |
|----------------|-----------------------|
| Width          | 0.59 in (15 mm)       |
| Depth          | 2.64 in (67 mm)       |
| Product weight | 0.15 lb(US) (0.07 kg) |

## 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 | -4...140 °F (-20...60 °C)                              |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)                             |
| Fire resistance                       | 1760 °F (960 °C) conforming to 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                  | 00785901146926                                    |
| Nbr. of units in pkg. | 6                                                 |
| Package weight(Lbs)   | 0.13                                              |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y                                                 |
| Country of origin     | FR                                                |

## Contractual warranty

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