

## GB2CB10

TeSys GB2 - thermal-magnetic circuit breaker - 1P -  
5 A -  $I_d = 66$  A



### 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 conforming to IEC 60947-2<br>DC-12 conforming to IEC 60947-5-1<br>DC-13 conforming to IEC 60947-5-1                                                                                                                                     |
| Network frequency                                   | 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                 |
| Breaking capacity                                   | $I_{cu} = 1$ kAat 48 V DC conforming to IEC 60947-2<br>$I_{cu} = 3$ kAat 110 V AC 50/60 Hz conforming to IEC 60947-2<br>$I_{cu} = 1.5$ kAat 24 V DC conforming to IEC 60947-2<br>$I_{cu} = 2$ kAat 230/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 75 %at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>75 %at 230/240 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                       |
| Trip unit technology                                | Thermal-magnetic                                                                                                                                                                                                                                   |
| Magnetic tripping current                           | 66 A                                                                                                                                                                                                                                               |

### Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting mode                          | By clips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mounting support                       | Plate<br>Rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mounting position                      | Horizontal<br>Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Control type                           | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [In] rated current                     | 5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| System Voltage                         | 48 V DC<br>250 V AC 50/60 Hz conforming to IEC 60947-2<br>277 V AC 50/60 Hz conforming to UL 1077<br>277 V AC 50/60 Hz conforming to CSA C22.2 No 14                                                                                                                                                                                                                                                                                                                                                    |
| [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 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...6 mm <sup>2</sup> ) - cable stiffness : solid - without 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...4 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end<br>Connector 2 cable(s) 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end |
| Tightening torque                      | 10.62 lbf.in (1.2 N.m) - on connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mechanical robustness                  | Shocks 22 Gn for 20 ms conforming to IEC 60068-2-27<br>Vibrations 5 Gn, 5...110 Hz conforming to IEC 60068-2-6                                                                                                                                                                                                                                                                                                                                                                                          |
| Quantity per set                       | Set of 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|              |                 |
|--------------|-----------------|
| 9 mm pitches | 2               |
| Height       | 2.91 in (74 mm) |
| Width        | 0.59 in (15 mm) |
| Depth        | 2.64 in (67 mm) |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| standards                             | EN 60947-1<br>EN 60947-2<br>IEC 60947-1<br>IEC 60947-2 |
| product certifications                | CSA<br>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)                                    |

## Offer Sustainability

|                                                                                      |                                                                                      |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Green Premium product                                                                | Green Premium product                                                                |
| Compliant - since 0627 - Schneider Electric declaration of conformity                | Compliant - since 0627 - Schneider Electric declaration of conformity                |
| Reference contains SVHC above the threshold - go to CaP for more details             | Reference contains SVHC above the threshold                                          |
| Available                                                                            | Available                                                                            |
| Need no specific recycling operations                                                | Need no specific recycling operations                                                |
| WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> | WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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