

PRODUCT-DETAILS

# SC203-B32NA

## SC203-B32NA Miniature Circuit Breaker - 3+NP - B - 32 A



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | SC203-B32NA  |
| Product ID            | 2CDS253120R0325  |
| EAN                   | 4016779650427  |
| Catalog Description   | SC203-B32NA Miniature Circuit Breaker - 3+NP - B - 32 A  |
| Long Description      | System pro M compact SC200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C), configurations (1P+N,3P+N) and rated currents (up to 32A). All MCBs of the product range SC200 comply with IEC/EN 60898-1 allowing the use for residential and commercial application. |

### Technical

|   |   |
|---|---|
| Standards   | IEC/EN 60898-1                                |
| Tripping Characteristic                             | B   |
| Rated Operational Voltage                           | acc. to IEC 60898-1 400 V AC                  |
| Rated Insulation Voltage (U <sub>i</sub> )          | acc. to IEC/EN 60664-1 440 V                  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV |
| Input Voltage Type                                  | AC  |
| Rated Current (I <sub>n</sub> )                     | 32 A  |
| Rated Short-Circuit                                 | (400 V AC) 6 kA                               |

**Capacity**

|  |  |
|--|--|
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | (230 V) 20 kA<br>(400 V) 10 kA   |
| Rated Frequency (f)                                  | 50 / 60 Hz   |
| Power Loss   | at Rated Operating Conditions per Pole 3.7 W   |
| Energy Limiting Class                                | 3  |
| Number of Poles                                      | 3+N  |
| Number of Protected Poles                            | 3  |
| Overvoltage Category                                 | III  |
| Position of Neutral Terminals                        | Right  |
| Accessories Available                                | Yes  |
| Connecting Capacity                                  | Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |

**Environmental**

|  |  |
|--|--|
| Ambient Air Temperature                    | Operation -25 ... +55 °C   |
| Degree of Protection                       | IP20   |
| Pollution Degree                           | 2  |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g / 2 shocks / 13 ms   |
| RoHS Status                                | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Environmental Information                  | 2CDK400030D0201  |

**Dimensions**

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 3        |
| Product Net Width                   | 70 mm    |
| Product Net Height                  | 88 mm    |
| Product Net Depth / Length          | 69 mm    |
| Product Net Weight                  | 0.5 kg   |
| Pole Net Weight                     | 0.125 kg |
| Built-In Depth ( $t_2$ )            | 69 mm    |

**Container Information**

|                                |                 |
|--------------------------------|-----------------|
| Package Level 1 Units          | carton 1 piece  |
| Package Level 1 Width          | 92 mm           |
| Package Level 1 Height         | 80 mm           |
| Package Level 1 Depth / Length | 78 mm           |
| Package Level 1 Gross Weight   | 0.51 kg         |
| Package Level 1 EAN            | 4016779650779   |
| Package Level 2 Units          | carton 24 piece |
| Package Level 2 EAN            | 4016779995870   |

**Ordering**

|                        |         |
|------------------------|---------|
| Minimum Order Quantity | 1 piece |
|------------------------|---------|

|                       |              |
|-----------------------|--------------|
| Customs Tariff Number | 85362010     |
| Country of Origin     | Germany (DE) |

### Certificates and Declarations (Document Number)

|                                 |                 |
|---------------------------------|-----------------|
| Certification Agency            | EN<br>IEC       |
| Declaration of Conformity - CE  | 2CDK400624D2701 |
| Environmental Information       | 2CDK400030D0201 |
| I <sup>2</sup> t Characteristic | 9AKK107992A5102 |
| Instructions and Manuals        | 2CDS207104P0001 |

### Popular Downloads

|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | No document needed |
| Instructions and Manuals          | 2CDS207104P0001    |
| Dimension Diagram                 | 2CDC022007F0010    |
| I <sup>2</sup> t Characteristic   | 9AKK107992A5102    |

### Classifications

|                    |  |
|--------------------|--|
| ETIM 7             | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 8             | EC000042 - Miniature circuit breaker (MCB)                 |
| EPLAN Catalog Tree | Electrical engineering / Protection devices / General      |
| WEEE Category      | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B     | Business To Business                                       |
| CN8                | 8536 20 10   |
| UNSPSC             | 39121614   |
| eClass             | V11.0 : 27141901   |

### Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs

