

PRODUCT-DETAILS

# SU203M-C16

## SU203M-C16 Miniature Circuit Breaker - 3P - C - 16 A



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | SU203M-C16  |
| Product ID            | 2CDS273337R0164   |
| EAN                   | 4016779931335   |
| Catalog Description   | SU203M-C16 Miniature Circuit Breaker - 3P - C - 16 A              |
| Long Description      | SU203M-C16 Miniature Circuit Breaker C-Char., 10kA, 16A, 3P UL489 |

### Technical

|   |  |
|---|--|
| Standards   | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489                   |
| Tripping Characteristic   | C  |
| Rated Operational Voltage   | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 400 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> )                                   | 16 A   |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                   | (400 V AC) 11.2 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (400 V AC) 15 kA   |

|  |  |
|--|--|
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )       | (400 V) 15 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | (400 V AC) 11.2 kA   |
| Rated Frequency (f)  | 50 / 60 Hz<br>DC   |
| Power Loss   | 7.5 W<br>at Rated Operating Conditions per Pole 2.5 W  |
| Power Supply Connection                                    | Arbitrary  |
| Contact Position Indication                                | Red ON / Green OFF   |
| Energy Limiting Class                                      | 3<br>20000 cycle   |
| Number of Poles  | 3  |
| Number of Protected Poles                                  | 3  |
| Overvoltage Category                                       | III  |
| Tightening Torque  | 2.8 N·m  |
| Screw Terminal Type  | Failsafe Bi-directional Cylinder-lift Terminal   |
| Actuator Marking   | I / O  |
| Actuator Material  | Insulation Group II, Black, Sealable   |
| Housing Material   | Insulation Group I, RAL 7035   |
| Mounting on DIN Rail                                       | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715   |
| Mounting Position  | Any  |
| Recommended Screw Driver                                   | Pozidriv 2   |
| Accessories Available                                      | Yes  |
| Connecting Capacity  | Busbar 10 / 10 mm <sup>2</sup><br>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> |
| Installation Size  | acc. to DIN 43880 3  |
| Terminal Type  | Double Clamp   |

## Environmental

|  |   |
|--|---|
| Ambient Air Temperature                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C        |
| Degree of Protection                           | IP20<br>Enclosure with Cover IP40                         |
| Pollution Degree                               | 3   |
| Environmental Conditions                       | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In      |
| Resistance to Shock acc. to IEC 60068-2-27     | 25g / 2 shocks / 13 ms                                    |
| RoHS Status                                    | Following EU Directive 2011/65/EU                         |
| Environmental Information                      | 9AKK107680A9140   |

## Technical UL/CSA

|                                   |   |
|-----------------------------------|---|
| Maximum Operating Voltage UL/CSA  | 480Y / 277 V AC                             |
| Interrupting Rating acc. to UL489 | (240 V AC) 10 kA<br>(480Y / 277 V AC) 10 kA |

Connecting Capacity  
UL/CSA

Busbar 18-8 AWG  
Conductor 18-4 AWG

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 3        |
| Product Net Width                   | 52.5 mm  |
| Product Net Height                  | 111 mm   |
| Product Net Depth / Length          | 69 mm    |
| Product Net Weight                  | 0.375 kg |
| Pole Net Weight                     | 0.125 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm    |

## Container Information

|                                |                |
|--------------------------------|----------------|
| Package Level 1 Units          | carton 1 piece |
| Package Level 1 Width          | 57 mm          |
| Package Level 1 Height         | 83 mm          |
| Package Level 1 Depth / Length | 120 mm         |
| Package Level 1 Gross Weight   | 0.4 kg         |
| Package Level 1 EAN            | 4016779931335  |
| Package Level 2 Units          | crate 27 piece |
| Package Level 2 Width          | 275 mm         |
| Package Level 2 Height         | 210 mm         |
| Package Level 2 Depth / Length | 395 mm         |
| Package Level 2 Gross Weight   | 16 kg          |
| Package Level 2 EAN            | 4016779939591  |

## Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85362010     |
| E-Number (Finland)     | 3211283      |
| Country of Origin      | Germany (DE) |

## Certificates and Declarations (Document Number)

|                                |                        |
|--------------------------------|------------------------|
| Certification Agency           | CSA<br>EN<br>IEC<br>UL |
| Declaration of Conformity - CE | 2CDK400595D2705        |
| Environmental Information      | 9AKK107680A9140        |
| Instructions and Manuals       | 2CDC002177D0202        |
| RoHS Information               | 2CDK400595D2705        |

## Popular Downloads

|                       |                 |
|-----------------------|-----------------|
| Data Sheet, Technical | 2CDC002177D0202 |
|-----------------------|-----------------|

Information

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDC002177D0202 |
|--------------------------|-----------------|

**Classifications**

|                           |   |
|---------------------------|---|
| ETIM 7                    | EC000042 - Miniature circuit breaker (MCB)                                    |
| ETIM 8                    | EC000042 - Miniature circuit breaker (MCB)                                    |
| EPLAN Catalog Tree        | Electrical engineering / Protection devices / General                         |
| EPLAN Function Definition | Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6 |
| WEEE Category             | 5. Small Equipment (No External Dimension More Than 50 cm)                    |
| WEEE B2C / B2B            | Business To Consumer  |
| CN8                       | 8536 20 10  |
| UNSPSC                    | 39121614  |
| eClass                    | V11.0 : 27141901  |

**Accessories**

| Identifier      | Description                         | Type      | Quantity | Unit Of Measure |
|-----------------|-------------------------------------|-----------|----------|-----------------|
| 2CCA880100R0001 | CMS-100PS Sensor                    | CMS-100PS | 1        | piece           |
| 2CCA880101R0001 | CMS-101PS Sensor                    | CMS-101PS | 1        | piece           |
| 2CCA880102R0001 | CMS-102PS Sensor                    | CMS-102PS | 1        | piece           |
| 2CDS200914R0001 | S2C-H6RU Auxiliary Contact          | S2C-H6RU  | 1        | piece           |
| 2CDS200924R0001 | S2C-S6RU Signal / Auxiliary Contact | S2C-S6RU  | 1        | piece           |
| 2CDS200908R0001 | S2C-A1U Shunt Trip                  | S2C-A1U   | 1        | piece           |
| 2CDS200908R0002 | S2C-A2U Shunt Trip                  | S2C-A2U   | 1        | piece           |

**Categories**

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

