

# SU203M-C16



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

## General Information

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <b>Extended Product Type:</b> | SU203M-C16                                                        |
| <b>Product ID:</b>            | 2CDS273337R0164                                                   |
| <b>EAN:</b>                   | 4016779931335                                                     |
| <b>Catalog Description:</b>   | Miniature Circuit Breaker - SU200M - 3P - C                       |
| <b>Long Description:</b>      | SU203M-C16 Miniature Circuit Breaker C-Char., 10kA, 16A, 3P UL489 |

## Additional Information

|                                           |                                                                                                                                                                                                          |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Actuator Material:</b>                 | Insulation Group II, Black, Sealable                                                                                                                                                                     |
| <b>Ambient Air Temperature:</b>           | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C                                                                                                                                                       |
| <b>Built-In Depth (t<sub>2</sub>):</b>    | 69 mm                                                                                                                                                                                                    |
| <b>Connecting Capacity:</b>               | 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> |
| <b>Connecting Capacity UL/CSA:</b>        | Busbar 18-8 AWG<br>Conductor 18-4 AWG                                                                                                                                                                    |
| <b>Contact Position Indication:</b>       | Red ON / Green OFF                                                                                                                                                                                       |
| <b>Country of Origin:</b>                 | Germany (DE)                                                                                                                                                                                             |
| <b>Customs Tariff Number:</b>             | 85362010                                                                                                                                                                                                 |
| <b>Data Sheet, Technical Information:</b> | 2CDC002177D0202                                                                                                                                                                                          |
| <b>Declaration of Conformity - CE:</b>    | 2CDK400595D2702                                                                                                                                                                                          |
| <b>Degree of Protection:</b>              | IP20                                                                                                                                                                                                     |
| <b>EAN:</b>                               | 4016779931335                                                                                                                                                                                            |
| <b>EPLAN Catalog Tree:</b>                | Electrical engineering / Protection devices / General                                                                                                                                                    |
| <b>EPLAN Function Definition:</b>         | Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6                                                                                                                            |
| <b>ETIM 5:</b>                            | EC000042 - Miniature circuit breaker (MCB)                                                                                                                                                               |
| <b>ETIM 6:</b>                            | EC000042 - Miniature circuit breaker (MCB)                                                                                                                                                               |
| <b>Environmental Conditions:</b>          | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 %                                                                                                                                                |
| <b>Housing Material:</b>                  | Insulation Group I, RAL 7035                                                                                                                                                                             |
| <b>Installation Size:</b>                 | acc. to DIN 43880 3                                                                                                                                                                                      |
| <b>Instructions and Manuals:</b>          | 2CDC002177D0202                                                                                                                                                                                          |
| <b>Invoice Description:</b>               | SU203M-C16 Miniature Circuit Breaker C-Char., 10kA, 16A, 3P                                                                                                                                              |
| <b>Maximum Operating Voltage UL/CSA:</b>  | 480Y / 277 V AC                                                                                                                                                                                          |
| <b>Mechanical Endurance:</b>              | 20000 cycle                                                                                                                                                                                              |
| <b>Minimum Order Quantity:</b>            | 1 piece                                                                                                                                                                                                  |
| <b>Mounting Position:</b>                 | Any                                                                                                                                                                                                      |
| <b>Mounting on DIN Rail:</b>              | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715                                                                                           |
| <b>Number of Poles:</b>                   | 3                                                                                                                                                                                                        |
| <b>Number of Protected Poles:</b>         | 3                                                                                                                                                                                                        |
| <b>Overvoltage Category:</b>              | III                                                                                                                                                                                                      |
| <b>Package Level 1 EAN:</b>               | 4016779935791                                                                                                                                                                                            |
| <b>Package Level 1 Gross Weight:</b>      | 1.175 kg                                                                                                                                                                                                 |

|                                                              |                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|
| Package Level 1 Height:                                      | 82 mm                                                           |
| Package Level 1 Length:                                      | 191 mm                                                          |
| Package Level 1 Units:                                       | 3 piece                                                         |
| Package Level 1 Width:                                       | 121 mm                                                          |
| Package Level 2 EAN:                                         | 4016779939591                                                   |
| Package Level 2 Gross Weight:                                | 16 kg                                                           |
| Package Level 2 Height:                                      | 210 mm                                                          |
| Package Level 2 Length:                                      | 395 mm                                                          |
| Package Level 2 Units:                                       | 24 piece                                                        |
| Package Level 2 Width:                                       | 275 mm                                                          |
| Pole Net Weight:                                             | 0.125 kg                                                        |
| Pollution Degree:                                            | 3                                                               |
| Power Loss:                                                  | 7,5 W<br>at Rated Operating Conditions per Pole 2,5 W           |
| Power Supply Connection:                                     | Arbitrary                                                       |
| Product Main Type:                                           | SU200M                                                          |
| Product Name:                                                | Miniature Circuit Breaker                                       |
| Product Net Depth:                                           | 69 mm                                                           |
| Product Net Height:                                          | 111 mm                                                          |
| Product Net Weight:                                          | 0.375 kg                                                        |
| Product Net Width:                                           | 52.5 mm                                                         |
| Rated Current ( $I_n$ ):                                     | 16 A                                                            |
| Rated Frequency (f):                                         | 50 Hz<br>60 Hz<br>DC Hz                                         |
| Rated Insulation Voltage ( $U_i$ ):                          | acc. to IEC/EN 60664-1 440 V                                    |
| Rated Operational Voltage:                                   | acc. to IEC 60947-2 400 V AC                                    |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ):  | (400 V AC) 11.2 kA                                              |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ): | (400 V AC) 15 kA                                                |
| Recommended Screw Driver:                                    | Pozidriv 2                                                      |
| Remarks:                                                     | IP40 in enclosure with cover                                    |
| Resistance to Shock acc. to IEC 60068-2-27:                  | 25g / 2 shocks / 13 ms                                          |
| Resistance to Vibrations acc. to IEC 60068-2-6:              | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 $I_n$         |
| RoHS Information:                                            | 2CDK400596D0201                                                 |
| RoHS Status:                                                 | Following EU Directive 2002/95/EC August 18, 2005 and amendment |
| Screw Terminal Type:                                         | Failsafe Bi-directional Cylinder-lift Terminal                  |
| Selling Unit of Measure:                                     | piece                                                           |
| Standards:                                                   | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489                      |
| Terminal Type:                                               | Screw Terminals                                                 |
| Tightening Torque:                                           | 2.8 N·m                                                         |
| Tripping Characteristic:                                     | C                                                               |
| UNSPSC:                                                      | 39121614                                                        |
| Width in Number of Modular Spacings:                         | 3                                                               |
| eClass:                                                      | 7.0 27141901                                                    |
| Accessories Available:                                       | Yes                                                             |

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**Interrupting Rating acc. to UL489:** (480Y / 277 V AC) 10 kA

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**Actuator Marking:** I / O

