

PRODUCT-DETAILS

# SU201M-C25

## SU201M-C25 Miniature Circuit Breaker - 1P - C - 25 A



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | SU201M-C25  |
| Product ID            | 2CDS271337R0254   |
| EAN                   | 4016779930895   |
| Catalog Description   | SU201M-C25 Miniature Circuit Breaker - 1P - C - 25 A              |
| Long Description      | SU201M-C25 Miniature Circuit Breaker C-Char., 10kA, 25A, 1P 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 60898-1 277 V<br>acc. to IEC 60947-2 230 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/DC   |
| Rated Current (I <sub>n</sub> )                     | 25 A  |
| Rated Short-Circuit Capacity                        | (230 V AC) 11.2 kA  |
| Rated Ultimate Short-                               | (230 V AC) 15 kA  |

|  |  |
|--|--|
| Circuit Breaking Capacity ( $I_{cu}$ )                     |  |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )       | (230 V) 15 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | (230 V AC) 11.2 kA   |
| Rated Frequency (f)  | 50 / 60 Hz<br>DC   |
| Power Loss   | 3.2 W<br>at Rated Operating Conditions per Pole 3.2 W  |
| Power Supply Connection                                    | Arbitrary  |
| Contact Position Indication                                | Red ON / Green OFF   |
| Energy Limiting Class                                      | 3  |
| Mechanical Endurance                                       | 20000 cycle  |
| Number of Poles  | 1  |
| Number of Protected Poles                                  | 1  |
| 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 and Amendment 2015/863 July 22, 2019 |
| RoHS Information                               | 2CDK400595D2706  |
| REACH Declaration                              | 9AKK107492A1906  |
| Environmental Information                      | 9AKK107680A9140  |
| SCIP   | 89318623-ff2d-4ce0-aefe-5d16fac11138 Germany (DE)                      |

## Technical UL/CSA

|                                   |   |
|-----------------------------------|---|
| Maximum Operating Voltage UL/CSA  | 277 V AC<br>48 V DC                                     |
| Interrupting Rating acc. to UL489 | (240 V AC) 10 kA<br>(277 V AC) 10 kA<br>(48 V DC) 10 kA |
| Connecting Capacity UL/CSA        | Busbar 18-8 AWG<br>Conductor 18-4 AWG                   |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1        |
| Product Net Width                   | 17.5 mm  |
| Product Net Height                  | 111 mm   |
| Product Net Depth / Length          | 69 mm    |
| Product Net Weight                  | 0.125 kg |
| Pole Net Weight                     | 0.125 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm    |

## Ordering

|                              |                |
|------------------------------|----------------|
| Minimum Order Quantity       | 1 piece        |
| Package Level 1 Units        | carton 1 piece |
| Package Level 1 Gross Weight | 0.135 kg       |
| Customs Tariff Number        | 85362010       |
| E-Number (Finland)           | 3211253        |
| Country of Origin            | Germany (DE)   |

## Certificates and Declarations

|                      |                        |
|----------------------|------------------------|
| Certification Agency | CSA<br>EN<br>IEC<br>UL |
|----------------------|------------------------|

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC002177D0202 |
| Instructions and Manuals          | 2CDC002177D0202 |

## Classifications

|                           |  |
|---------------------------|--|
| ETIM 8                    | EC000042 - Miniature circuit breaker (MCB)                     |
| ETIM 9                    | EC000042 - Miniature circuit breaker (MCB)                     |
| EPLAN Catalog Tree        | Electrical engineering / Protection devices / General          |
| EPLAN Function Definition | Circuit breaker / Single circuit breaker / Circuit breaker 1_2 |
| WEEE Category             | 5. Small Equipment (No External Dimension More Than 50 cm)     |
| WEEE B2C / B2B            | Business To Business   |
| CN8                       | 8536 20 10   |

|                                    |  |
|------------------------------------|--|
| UNSPSC                             | 39121603   |
| eClass                             | V11.0 : 27141901                                       |
| IDEA Granular Category Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model |

**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 → Miniature Circuit Breakers MCBs

