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 PRODUCT-DETAILS

# SU203M-K0.2

## Miniature Circuit Breaker - SU200M - 3P - 0.2 A - K




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**General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | SU203M-K0.2   |
| Product ID            | 2CDS273337R0087   |
| EAN                   | 4016779930222   |
| Catalog Description   | Miniature Circuit Breaker - SU200M - 3P - 0.2 A - K                 |
| Long Description      | SU203M-K0.2 Miniature Circuit Breaker K-Char., 10kA, 0.2A, 3P UL489 |

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**Technical**

|  |   |
|--|---|
| Standards  | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489  |
| Tripping Characteristic                          | K   |
| Rated Operational Voltage                        | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60898-1 400 V<br>acc. to IEC 60947-2 400 V AC |
| Rated Insulation Voltage<br>( $U_i$ )            | acc. to IEC/EN 60664-1 440 V  |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ ) | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV   |
| Dielectric Test Voltage                          | 50/60 Hz-1 min: 2 kV  |

|   |  |
|---|--|
| Input Voltage Type  | AC/DC  |
| Rated Current ( $I_n$ )                                     | 0.2 A  |
| Rated Short-Circuit Capacity                                | (400 V AC) 11.2 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (400 V AC) 15 kA<br>(400 V) 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  | 5.1 W<br>at Rated Operating Conditions per Pole 1.7 W  |
| Power Supply Connection                                     | Arbitrary  |
| Contact Position Indication                                 | Red ON / Green OFF   |
| Energy Limiting Class                                       | 3  |
| Electrical Endurance  | 20000 AC cycle   |
| Mechanical Endurance  | 20000 cycle  |
| Number of Protected Poles                                   | 3  |
| Number of Poles   | 3P   |
| 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>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   |

## Material Compliance

|   |  |
|---|--|
| RoHS Information                            | 2CDK400595D2705  |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date                                   | 20200514   |
| REACH Declaration                           | 9AKK107492A1906  |
| REACH Information                           | True - contains substances > 0.1 mass percentage                       |
| REACH Date                                  | 20240821   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363  |
| SCIP  | 89318623-ff2d-4ce0-aefe-5d16fac11138 Germany (DE)                      |

## Environmental

|                         |                          |
|-------------------------|--------------------------|
| Ambient Air Temperature | Operation -25 ... +55 °C |
|-------------------------|--------------------------|

|  |   |
|--|---|
|  | Storage -40 ... +70 °C                                    |
| Reference Ambient Air Temperature          | 30 °C   |
| Degree of Protection                       | IP20<br>IP40<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                   | 20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz         |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g 2 shocks 13 ms  |
| <b>Environmental Information</b>           | <b>9AKK107680A9140</b>                                    |

## 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<br>Conductor 18-4 AWG       |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 3.0      |
| 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    |

## Ordering

|                              |                |
|------------------------------|----------------|
| Package Level 1 Units        | carton 1 piece |
| Package Level 1 Gross Weight | 0.4 kg         |

## Certificates and Declarations

|                                  |                        |
|----------------------------------|------------------------|
| Declaration of Conformity - CE   | 2CDK400595D2705        |
| Declaration of Conformity - UKCA | 9AKK108467A5201        |
| Certification Agency             | CSA<br>EN<br>IEC<br>UL |

## Installation

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

## Popular Downloads

**Classifications**

|                                    |  |
|------------------------------------|--|
| ETIM 8                             | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9                             | EC000042 - Miniature circuit breaker (MCB)                 |
| 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 | Sensor                     | CMS-100PS | 1        | piece           |
| 2CCA880101R0001 | Sensor                     | CMS-101PS | 1        | piece           |
| 2CCA880102R0001 | Sensor                     | CMS-102PS | 1        | piece           |
| 2CDS200914R0001 | Auxiliary Contact          | S2C-H6RU  | 1        | piece           |
| 2CDS200924R0001 | Signal / Auxiliary Contact | S2C-S6RU  | 1        | piece           |
| 2CDS200908R0001 | Shunt Trip                 | S2C-A1U   | 1        | piece           |
| 2CDS200908R0002 | Shunt Trip                 | S2C-A2U   | 1        | piece           |

**Categories**

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

