

PRODUCT-DETAILS

# S201MT-K0.2UC

## S201MT-K0.2UC Miniature Circuit Breaker - 1P - K - 0.2 A



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | S201MT-K0.2UC  |
| Product ID            | 2CDS271065R0087  |
| EAN                   | 4013614448270  |
| Catalog Description   | S201MT-K0.2UC Miniature Circuit Breaker - 1P - K - 0.2 A |
| Long Description      | S201MT-K0.2UC MCB K-Char., 10kA, 0.2A, 1P                |

### Technical

|   |  |
|---|--|
| Standards   | CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077  |
| Tripping Characteristic                             | K  |
| Rated Operational Voltage                           | acc. to IEC 60898-1 253 V AC<br>acc. to IEC 60898-1 220 V DC<br>acc. to IEC 60947-2 253 V AC<br>acc. to IEC 60947-2 220 V DC |
| Operational Voltage                                 | Maximum (Incl. Tolerance) 250 V DC<br>Maximum (Incl. Tolerance) 266 V AC<br>Minimum 12 V AC<br>Minimum 12 V DC               |
| Rated Insulation Voltage (U <sub>i</sub> )          | acc. to IEC/EN 60664-1 484 V   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 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                                | (AC) 7.5 kA<br>(DC) 10 kA<br>(230 V AC) 10 kA  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V DC) 10 kA<br>(230 V AC) 10 kA<br>(253 V AC) 10 kA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (230 V) 10 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V DC) 10 kA<br>(230 V AC) 10 kA   |
| Rated Frequency (f)   | 50 / 60 Hz<br>DC   |
| Power Loss  | 1.11 W<br>at Rated Operating Conditions per Pole 1.11 W  |
| Power Supply Connection                                     | Please Note Polarity of Device   |
| Contact Position Indication                                 | ON / OFF   |
| Energy Limiting Class                                       | 3  |
| Electrical Endurance  | 1500 DC cycle<br>20000 AC cycle  |
| Mechanical Endurance  | 20000 cycle  |
| Number of Poles   | 1  |
| Number of Protected Poles                                   | 1  |
| Overvoltage Category  | III  |
| Tightening Torque   | 2.8 N·m  |
| Actuator Type   | Toggle   |
| 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   |
| Options Provided  | Suitable for traction application  |
| 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  |
| Remarks   | Please note polarity of device   |
| 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 1  |
| Terminal Type   | Screw Terminals  |

## Environmental

|  |   |
|--|---|
| Ambient Air Temperature                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C        |
| Reference Ambient Air Temperature              | 20 °C   |
| Degree of Protection                           | IP20<br>IPXXB<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  | 2CDK400602D2703  |
| REACH Declaration | 9AKK107492A1906  |
| SCIP              | a62e1a07-4cd8-42e3-a6a1-8acf96626448 Germany (DE)                      |

## Technical UL/CSA

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Maximum Operating Voltage UL/CSA   | 250 V DC<br>277 V AC                  |
| Interrupting Rating acc. to UL1077 | (220 V DC) 10 kA                      |
| Connecting Capacity UL/CSA         | Busbar 14-8 AWG<br>Conductor 14-4 AWG |
| Tightening Torque UL/CSA           | Main Circuit 18 in-lb                 |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1        |
| Product Net Width                   | 17.5 mm  |
| Product Net Height                  | 88 mm    |
| Product Net Depth / Length          | 69 mm    |
| Product 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 10 piece |
| Package Level 1 Gross Weight | 1.3 kg          |

## Certificates and Declarations

|                                |                        |
|--------------------------------|------------------------|
| Certification Agency           | CSA<br>EN<br>IEC<br>UL |
| Declaration of Conformity - CE | 2CDK400602D2704        |

## Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDS207104P0002 |
|--------------------------|-----------------|

## Popular Downloads

|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | No document needed |
|-----------------------------------|--------------------|

## 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) | 4897 >> Miniature circuit breakers |

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## Categories

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

