

PRODUCT-DETAILS

# SU202M-K8

## Miniature Circuit Breaker - SU200M - 2P - K - 8 ampere



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | SU202M-K8   |
| Product ID            | 2CDS272337R0407   |
| EAN                   | 4016779932707   |
| Catalog Description   | Miniature Circuit Breaker - SU200M - 2P - K - 8 ampere          |
| Long Description      | SU202M-K8 Miniature Circuit Breaker K-Char., 10kA, 8A, 2P UL489 |

### Technical

|                                    |   |
|------------------------------------|---|
| Standards                          | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489          |
| Number of Poles                    | 2   |
| Number of Protected Poles          | 2   |
| Tripping Characteristic            | K   |
| Rated Current ( $I_n$ )            | 8 A   |
| Rated Operational Voltage          | acc. to IEC 60947-2 400 V AC                        |
| Power Loss                         | 3 W<br>at Rated Operating Conditions per Pole 1,5 W |
| Rated Insulation Voltage ( $U_i$ ) | acc. to IEC/EN 60664-1 440 V                        |
| Rated Frequency (f)                | DC<br>50 Hz<br>60 Hz                                |
| Rated Ultimate Short-              | (400 V AC) 15 kA                                    |

|  |  |
|--|--|
| Circuit Breaking Capacity ( $I_{cu}$ )                     | (400 V AC) 11.2 kA   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) |  |
| Overvoltage Category                                       | III  |
| Pollution Degree   | 3  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )              | 4 kV<br>(6.2 kV @ sea level)<br>(5.0 kV @ 2000 m)  |
| Dielectric Test Voltage                                    | 50/60 Hz, 1 min: 2 kV  |
| Housing Material   | Insulation Group I, RAL 7035   |
| Actuator Material  | Insulation Group II, Black, Sealable   |
| Actuator Marking   | I / O  |
| Contact Position Indication                                | Red ON / Green OFF   |
| Degree of Protection                                       | IP20   |
| Remarks  | IP40 in enclosure with cover   |
| Electrical Endurance                                       | 20000 AC cycle<br>20000 cycle  |
| Terminal Type  | Double Clamp   |
| Screw Terminal Type  | Failsafe Bi-directional Cylinder-lift Terminal   |
| 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> |
| Tightening Torque  | 2.8 N·m  |
| Recommended Screw Driver                                   | Pozidriv 2   |
| Mounting on DIN Rail                                       | 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   |
| Mounting Position  | Any  |
| Built-In Depth ( $t_2$ )                                   | 69 mm  |
| Installation Size  | acc. to DIN 43880 3  |
| Power Supply Connection                                    | Arbitrary  |

## Environmental

|  |   |
|--|---|
| Ambient Air Temperature                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C        |
| Reference Ambient Air Temperature              | 30 °C   |
| 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 In      |
| Environmental Conditions                       | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| RoHS Status                                    | Following EU Directive 2011/65/EU                         |

## Technical UL/CSA

|                                   |  |
|-----------------------------------|--|
| Maximum Operating Voltage UL/CSA  | 480Y / 277 V AC<br>96 V DC                                     |
| Connecting Capacity UL/CSA        | Busbar 18-8 AWG<br>Conductor 18-4 AWG                          |
| Interrupting Rating acc. to UL489 | (240 V AC) 10 kA<br>(480Y / 277 V AC) 10 kA<br>(96 V DC) 10 kA |

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## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 35 mm   |
| Product Net Depth / Length | 69 mm   |
| Product Net Height         | 111 mm  |
| Product Net Weight         | 0.25 kg |

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## Container Information

|                                |                |
|--------------------------------|----------------|
| Package Level 1 Units          | carton 1 piece |
| Package Level 1 Width          | 40 mm          |
| Package Level 1 Depth / Length | 120 mm         |
| Package Level 1 Height         | 83 mm          |
| Package Level 1 Gross Weight   | 0.27 kg        |
| Package Level 1 EAN            | 4016779932707  |
| Package Level 2 Units          | 36 piece       |
| Package Level 2 Width          | 275 mm         |
| Package Level 2 Depth / Length | 395 mm         |
| Package Level 2 Height         | 210 mm         |
| Package Level 2 Gross Weight   | 16 kg          |
| Package Level 2 EAN            | 4016779939096  |

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## Ordering

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|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85362010 |

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## Certificates and Declarations (Document Number)

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CDK400595D2705 |
| Environmental Information      | 9AKK107680A9140 |
| Instructions and Manuals       | 2CDC002177D0202 |
| RoHS Information               | 2CDK400595D2705 |

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## Popular Downloads

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

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## Classifications

|        |  |
|--------|--|
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | 7.0 27141901                               |
| UNSPSC | 39121614                                   |

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## Categories

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

