

# SU202M-K1



Miniature Circuit Breaker - SU200M - 2P - K - 1 ampere

## General Information

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Extended Product Type | SU202M-K1                                                       |
| Product ID            | 2CDS272337R0217                                                 |
| EAN                   | 4016779932622                                                   |
| Catalog Description   | Miniature Circuit Breaker - SU200M - 2P - K - 1 ampere          |
| Long Description      | SU202M-K1 Miniature Circuit Breaker K-Char., 10kA, 1A, 2P UL489 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 0 piece  |
| Customs Tariff Number  | 85362010 |

## Popular Downloads

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

## Dimensions

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

## Technical

|                                    |                                                       |
|------------------------------------|-------------------------------------------------------|
| Standards                          | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489            |
| Number of Poles                    | 2                                                     |
| Tripping Characteristic            | K                                                     |
| Rated Current ( $I_n$ )            | 1 A                                                   |
| Rated Operational Voltage          | acc. to IEC 60947-2 400 V AC                          |
| Power Loss                         | 2,8 W<br>at Rated Operating Conditions per Pole 1,4 W |
| Rated Insulation Voltage ( $U_i$ ) | acc. to IEC/EN 60664-1 440 V                          |
| Rated Frequency (f)                | 50 Hz                                                 |

|                                                             |                                                                                                                                                                                                          |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             | 60 Hz<br>DC Hz                                                                                                                                                                                           |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (400 V AC) 15 kA                                                                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (400 V AC) 11.2 kA                                                                                                                                                                                       |
| 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                                                                                                                                                                             |
| 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                                               | Screw Terminals                                                                                                                                                                                          |
| 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                                                                                                                                                                                                      |

## Environmental

|                                                |                                                                 |
|------------------------------------------------|-----------------------------------------------------------------|
| Ambient Air Temperature                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °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 2002/95/EC August 18, 2005 and amendment |

## 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 |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CDK400595D2702 |
| Instructions and Manuals       | 2CDC002177D0202 |
| RoHS Information               | 2CDK400596D0203 |

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## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 5 piece       |
| Package Level 1 Width          | 121 mm        |
| Package Level 1 Depth / Length | 191 mm        |
| Package Level 1 Height         | 82 mm         |
| Package Level 1 Gross Weight   | 1.3 kg        |
| Package Level 1 EAN            | 4016779935210 |
| 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            | 4016779939010 |

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## Classifications

|        |                                            |
|--------|--------------------------------------------|
| ETIM 5 | EC000042 - Miniature circuit breaker (MCB) |
| 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

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

