PRODUCT-DETAILS

# SU202M-K10

## Miniature Circuit Breaker - SU200M - 2P - K - 10 ampere



### General Information

| | |
|---|---|
| Extended Product Type | SU202M-K10 |
| Product ID | 2CDS272337R0427 |
| EAN | 4016779932714 |
| Catalog Description | Miniature Circuit Breaker - SU200M - 2P - K - 10 ampere |
| Long Description | SU202M-K10 Miniature Circuit Breaker K-Char., 10kA, 10A, 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 ($I_n$) | 10 A |
| Rated Operational Voltage | acc. to IEC 60947-2 400 V AC |
| Power Loss | 4.2 W<br>at Rated Operating Conditions per Pole 2.1 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 ($I_{cu}$) | |
| 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 |
| 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 |
| | 20000 cycle |
| Terminal Type | Double Clamp |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Connecting Capacity | Busbar 10 / 10 mm²<br>Flexible with Ferrule 0.75 ... 25 mm²<br>Flexible 0.75 ... 25 mm²<br>Rigid 0.75 ... 35 mm²<br>Stranded 0.75 ... 35 mm² |
| 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

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|---|---|
| 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

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|---|---|
| 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 |

## Dimensions

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

## Container Information

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|---|---|
| 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 | 4016779932714 |
| Package Level 2 Units | crate 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 | 4016779939102 |

## Ordering

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

## Certificates and Declarations (Document Number)

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

## Popular Downloads

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

## Classifications

| | |
|---|---|
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | V11.0 : 27141901 |
| UNSPSC | 39121614 |

## Categories

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

