PRODUCT-DETAILS

# S201MT-K6UC

## Miniature Circuit Breaker - S200MTUC - 1P - K - 6 ampere



### General Information

| | |
|---|---|
| Extended Product Type | S201MT-K6UC |
| Product ID | 2CDS271065R0377 |
| EAN | 4013614448508 |
| Catalog Description | Miniature Circuit Breaker - S200MTUC - 1P - K - 6 ampere |
| Long Description | S201MT-K6UC MCB K-Char., 10kA, 6A, 1P |

### Technical

| | |
|---|---|
| Standards | CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077 |
| Number of Poles | 1 |
| Number of Protected Poles | 1 |
| Tripping Characteristic | K |
| Rated Current ($I_n$) | 6 A |
| 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 |
| Power Loss | 1.77 W<br>at Rated Operating Conditions per Pole 1.77 W |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 484 V |
| Operational Voltage | Maximum (Incl. Tolerance) 250 V DC<br>Maximum (Incl. Tolerance) 266 V AC |

| | |
|---|---|
| | Maximum 266 V AC<br>Maximum 250 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC |
| Rated Frequency (f) | DC<br>50 Hz<br>60 Hz |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (220 V DC) 10 kA<br>(253 V AC) 10 kA |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (220 V DC) 10 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 Type | Toggle |
| Actuator Material | Insulation Group II, Black, Sealable |
| Actuator Marking | I / O |
| Contact Position Indication | ON / OFF |
| Degree of Protection | IP20<br>IPXXB |
| Remarks | IP40 in enclosure with cover<br>Please note polarity of device |
| Electrical Endurance | 1500 DC cycle<br>20000 AC cycle |
| | 20000 cycle |
| Terminal Type | Screw Terminals |
| 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 1 |
| Power Supply Connection | Please Note Polarity of Device |

## Environmental

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|---|---|
| Ambient Air Temperature | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 20 °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 | 250 V DC<br>277 V AC |
| Connecting Capacity UL/CSA | Busbar 14-8 AWG<br>Conductor 14-4 AWG |
| Tightening Torque UL/CSA | Main Circuit 18 in·lb |
| Interrupting Rating acc. to UL1077 | (220 V DC) 10 kA |

## Dimensions

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|---|---|
| Product Net Width | 17.5 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Height | 88 mm |
| Product Net Weight | 0.125 kg |

## Container Information

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|---|---|
| Package Level 1 Units | carton 10 piece |
| Package Level 1 Width | 92 mm |
| Package Level 1 Depth / Length | 58 mm |
| Package Level 1 Height | 80 mm |
| Package Level 1 Gross Weight | 1.3 kg |
| Package Level 1 EAN | 4013614456183 |
| Package Level 2 Units | 120 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 | 4013614463860 |

## 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 | 2CDK400602D2704 |
| Instructions and Manuals | 2CDS207104P0001 |
| RoHS Information | 2CDK400602D2703 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 2CDC002175D0202 |
| Instructions and | 2CDS207104P0001 |

Manuals

## 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

