

PRODUCT-DETAILS

S201MT-K3UC

S201MT-K3UC Miniature Circuit Breaker - 1P - K - 3 A



General Information

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| Extended Product Type | S201MT-K3UC |
| Product ID | 2CDS271065R0317 |
| EAN | 4013614448430 |
| Catalog Description | S201MT-K3UC Miniature Circuit Breaker - 1P - K - 3 A |
| Long Description | S201MT-K3UC MCB K-Char., 10kA, 3A, 1P |

Technical

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| Standards | CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077 |
| Tripping Characteristic | K |
| Rated Operational Voltage | acc. to IEC 60898-1 253 V AC acc. to IEC 60898-1 220 V DC acc. to IEC 60947-2 253 V AC acc. to IEC 60947-2 220 V DC |
| Operational Voltage | Maximum (Incl. Tolerance) 250 V DC Maximum (Incl. Tolerance) 266 V AC Minimum 12 V AC Minimum 12 V DC |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 484 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV at 2000 m 5 kV at Sea Level 6.2 kV |
| Dielectric Test Voltage | 50/60 Hz, 1 min: 2 kV |

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| Input Voltage Type | AC/DC |
| Rated Current (I _n) | 3 A |
| Rated Short-Circuit Capacity | (AC) 7.5 kA (DC) 10 kA (230 V AC) 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | (220 V DC) 10 kA (230 V AC) 10 kA (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 (230 V AC) 10 kA |
| Rated Frequency (f) | 50 / 60 Hz DC |
| Power Loss | 1.24 W at Rated Operating Conditions per Pole 1.24 W |
| Power Supply Connection | Please Note Polarity of Device |
| Contact Position Indication | ON / OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 1500 DC cycle 20000 AC cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Poles | 1 |
| Number of Protected Poles | 1 |
| Overtoltage 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 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 ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ² |
| Installation Size | acc. to DIN 43880 1 |
| Terminal Type | Screw Terminals |

Environmental

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|-----------------------------------|--|
| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 20 °C |
| Degree of Protection | IP20 IPXXB Enclosure with Cover IP40 |
| Pollution Degree | 3 |
| Environmental | 28 cycles |

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| Conditions | with 55 °C / 90-96 % 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 |
| SCIP | a62e1a07-4cd8-42e3-a6a1-8acf96626448 Germany (DE) |
| REACH Declaration | 9AKK107492A1906 |

Technical UL/CSA

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

Dimensions

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| 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 ₂) | 69 mm |

Container Information

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|-----------------------------------|-----------------|
| Package Level 1 Units | carton 10 piece |
| Package Level 1 Width | 92 mm |
| Package Level 1 Height | 80 mm |
| Package Level 1 Depth / Length | 58 mm |
| Package Level 1 Gross Weight | 1.3 kg |
| Package Level 1 EAN | 4013614456114 |
| Package Level 2 Units | 120 piece |
| Package Level 2 Width | 275 mm |
| Package Level 2 Height | 210 mm |
| Package Level 2 Depth / Length | 395 mm |
| Package Level 2 Gross Weight | 16 kg |
| Package Level 2 EAN | 4013614463792 |

Ordering

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| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362010 |
| Country of Origin | Germany (DE) |

Certificates and Declarations (Document Number)

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|--------------------------------|------------------------|
| Certification Agency | CSA EN IEC UL |
| Declaration of Conformity - CE | 2CDK400602D2704 |
| Instructions and Manuals | 2CDS207104P0002 |
| REACH Declaration | 9AKK107492A1906 |
| RoHS Information | 2CDK400602D2703 |

Popular Downloads

| | |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | No document needed |
| Instructions and Manuals | 2CDS207104P0002 |

Classifications

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| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| EPLAN Catalog Tree | Electrical engineering / Protection devices / General |
| 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 |

Categories

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

