



PRODUCT-DETAILS

S201MT-C6UC

Miniature Circuit Breaker - S200MTUC - 1P - 6 A - C - (AC) 10 kA



| General Information    |                                                                  |
|------------------------|------------------------------------------------------------------|
| Extended Product Type: | S201MT-C6UC                                                      |
| Product ID:            | 2CDS271065R0064                                                  |
| EAN:                   | 4013614448256                                                    |
| Catalog Description:   | Miniature Circuit Breaker - S200MTUC - 1P - 6 A - C - (AC) 10 kA |
| Long Description:      | S201MT-C6UC Miniature Circuit Breaker - 1P - C - 6 A             |
| Display Name:          | S201MT-C6UC                                                      |

| PANKAJ ELECTRICALS EcoSolutions                                 |                                                               |
|-----------------------------------------------------------------|---------------------------------------------------------------|
| Recyclability Rate of the Product acc. to EN45555:              | Design for Closing Resource Loops - Standard EN45555 - 80.7 % |
| PANKAJ ELECTRICALS Site Meeting Group Waste To Landfill Target: | No non-hazardous waste is sent to a landfill                  |
| Extended Product Lifetime:                                      | Product Durability                                            |
| End Of Life Disassembling Instructions:                         | 9AKK108468A3132                                               |
| Environmental Product Declaration - EPD:                        | 9AKK108467A7832                                               |

## Technical

|                                                                              |                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dielectric Test Voltage:</b>                                              | 50 / 60 Hz - 1 min 2 kV                                                                                                                                                                                                                        |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V DC) 10 kA<br>(230 V AC) 10 kA<br>(253 V AC) 10 kA<br>(230 V) 10 kA                                                                                                                                                                      |
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (220 V DC) 10 kA                                                                                                                                                                                                                               |
| <b>Power Supply Connection:</b>                                              | Please Note Polarity of Device                                                                                                                                                                                                                 |
| <b>Contact Position Indication:</b>                                          | Red ON / Green OFF                                                                                                                                                                                                                             |
| <b>Energy Limiting Class:</b>                                                | 3                                                                                                                                                                                                                                              |
| <b>Electrical Endurance:</b>                                                 | 1500 DC cycle<br>20000 AC cycle                                                                                                                                                                                                                |
| <b>Mechanical Endurance:</b>                                                 | 20000 cycle                                                                                                                                                                                                                                    |
| <b>Number of Protected Poles:</b>                                            | 1                                                                                                                                                                                                                                              |
| <b>Number of Poles:</b>                                                      | 1P                                                                                                                                                                                                                                             |
| <b>Tightening Torque:</b>                                                    | 2.8 N·m                                                                                                                                                                                                                                        |
| <b>Screw Terminal Type:</b>                                                  | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                                                                                 |
| <b>Actuator Marking:</b>                                                     | I / O                                                                                                                                                                                                                                          |
| <b>Actuator Material:</b>                                                    | Insulation Group II, Black, Sealable                                                                                                                                                                                                           |
| <b>Options Provided:</b>                                                     | Suitable for traction application                                                                                                                                                                                                              |
| <b>Recommended Screw Driver:</b>                                             | Pozidriv 2                                                                                                                                                                                                                                     |
| <b>Accessories Available:</b>                                                | Yes                                                                                                                                                                                                                                            |
| <b>Remarks:</b>                                                              | Please note polarity of device                                                                                                                                                                                                                 |
| <b>Connecting Capacity:</b>                                                  | 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>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> |
| <b>Installation Size:</b>                                                    | acc. to DIN 43880 1                                                                                                                                                                                                                            |
| <b>Terminal Type:</b>                                                        | Screw Terminals                                                                                                                                                                                                                                |
| <b>Actuator Type:</b>                                                        | Toggle                                                                                                                                                                                                                                         |

## Electrical

|                                                     |                                                                                                                              |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Tripping Characteristic:</b>                     | C                                                                                                                            |
| <b>Rated Operational Voltage:</b>                   | acc. to IEC 60898-1 220 V DC<br>acc. to IEC 60898-1 253 V AC<br>acc. to IEC 60947-2 253 V AC<br>acc. to IEC 60947-2 220 V DC |
| <b>Operational Voltage:</b>                         | Maximum (Incl. Tolerance) 250 V DC<br>Maximum (Incl. Tolerance) 266 V AC<br>Minimum 12 V AC<br>Minimum 12 V DC               |
| <b>Rated Insulation Voltage (<math>U_i</math>):</b> | acc. to IEC/EN 60664-1 440 V                                                                                                 |

**Rated Impulse Withstand Voltage (U<sub>imp</sub>):** 4 kV  
at 2000 m 5 kV  
at Sea Level 6.2 kV

**Input Voltage Type:** AC/DC

**Rated Current (I<sub>n</sub>):** 6 A

**Rated Short-Circuit Capacity:** (AC) 10 kA  
(220 V DC) 10 kA  
(230 V AC) 10 kA  
(253 V AC) 10 kA  
(230 V) 10 kA  
(400 V) 10 kA

**Rated Conditional Short-Circuit Current (I<sub>nc</sub>):** (230 V) 10 kA

**Rated Frequency (f):** 50 / 60 Hz  
DC

**Power Loss:** 2 W  
at Rated Operating Conditions per Pole 2 W

**Overvoltage Category:** III

## Design

**Housing Material:** Insulation Group I, RAL 7035

## Technical UL/CSA

**Interrupting Rating acc. to UL1077:** (220 V DC) 10 kA

## Material Compliance

**RoHS Declaration:** 9AKK108472A0372

**RoHS Information:** Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

**RoHS Date:** 20260312

**REACH Declaration:** 9AKK107492A1906

**REACH Information:** False - does not contain substances > 0.1 mass percentage

**REACH Date:** 20260312

**Conflict Minerals Reporting Template (CMRT):** 9AKK108468A3363

**Toxic Substances Control Act - TSCA:** 9AKK108468A8104

**WEEE Category:** 5. Small Equipment (No External Dimension More Than 50 cm)

**WEEE B2C / B2B:** Business To Business

## Environmental

**Ambient Air Temperature:** Operation -40 ... +70 °C  
Storage -40 ... +70 °C

**Reference Ambient Air Temperature:** 30 °C

|                                             |                                                           |
|---------------------------------------------|-----------------------------------------------------------|
| Degree of Protection:                       | IP20<br>IPXXB<br>Enclosure with Cover IP40                |
| Pollution Degree:                           | 3                                                         |
| Environmental Conditions:                   | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| Resistance to Vibrations:                   | 20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz         |
| Resistance to Shock acc. to IEC 60068-2-27: | 25g 2 shocks 13 ms                                        |

## Dimensions

|                                      |          |
|--------------------------------------|----------|
| 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:                  | 0.117 kg |
| Built-In Depth (t <sub>2</sub> ):    | 69 mm    |

## Ordering

|                               |                 |
|-------------------------------|-----------------|
| Package Level 1 Units:        | carton 10 piece |
| Package Level 1 Gross Weight: | 1.21 kg         |

## Certificates and Declarations

|                                 |                 |
|---------------------------------|-----------------|
| Declaration of Conformity - CE: | 2CDK400602D2704 |
|---------------------------------|-----------------|

## Installation

|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| Instructions and Manuals: | 2CDS207104P0002                                                                                                |
| Mounting on DIN Rail:     | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Mounting Position:        | any                                                                                                            |

## Popular Downloads

|                                    |                    |
|------------------------------------|--------------------|
| Data Sheet, Technical Information: | No document needed |
|------------------------------------|--------------------|

## External Classifications and Standards

|         |                                            |
|---------|--------------------------------------------|
| ETIM 9: | EC000042 - Miniature circuit breaker (MCB) |
|---------|--------------------------------------------|

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| ETIM 10:                            | EC000042 - Miniature circuit breaker (MCB) |
| UNSPSC:                             | 39121603                                   |
| eClass:                             | V11.0 : 27141901                           |
| IDEA Granular Category Code (IGCC): | 4897 >> Miniature circuit breakers         |
| Standards:                          | IEC/EN 60947-2                             |
| Certification Agency:               | EN<br>IEC                                  |
| Standardization Body:               | EN<br>IEC                                  |

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Miniature Circuit Breakers MCBs > Miniature Circuit Breakers MCBs > S200MTUC

