

# SU203PR-K63



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

## General Information

|                               |  |
|-------------------------------|--|
| <b>Extended Product Type:</b> | SU203PR-K63  |
| <b>Product ID:</b>            | 2CDS273327R0607  |
| <b>EAN:</b>                   | 4016779848602  |
| <b>Catalog Description:</b>   | Miniature Circuit Breaker - SU200PR - 3P - K - 63 ampere           |
| <b>Long Description:</b>      | SU203PR-K63 MCB K-Char., 10kA, 63A, 3P, RTT UL 489, Ring Cable Lug |

## Ordering

|                                |          |
|--------------------------------|----------|
| <b>Minimum Order Quantity:</b> | 1 piece  |
| <b>Customs Tariff Number:</b>  | 85362010 |

## Popular Downloads

|   |                 |
|---|-----------------|
| <b>Data Sheet, Technical Information:</b> | 2CDC002139D0201 |
| <b>Instructions and Manuals:</b>          | 2CDC002139D0201 |

## Dimensions

|                            |         |
|----------------------------|---------|
| <b>Product Net Width:</b>  | 52.5 mm |
| <b>Product Net Depth:</b>  | 69 mm   |
| <b>Product Net Height:</b> | 115 mm  |
| <b>Product Net Weight:</b> | 0.42 kg |

## Technical

|   |  |
|---|--|
| <b>Standards:</b>                                   | IEC/EN 60947-2<br>UL 489<br>CSA 22.2 No. 5               |
| <b>Number of Poles:</b>                             | 3  |
| <b>Tripping Characteristic:</b>                     | K  |
| <b>Rated Current (<math>I_n</math>):</b>            | 63 A   |
| <b>Rated Operational Voltage:</b>                   | acc. to IEC 60947-2 400 V AC                             |
| <b>Power Loss:</b>                                  | 22.68 W<br>at Rated Operating Conditions per Pole 7.56 W |
| <b>Rated Insulation Voltage (<math>U_i</math>):</b> | acc. to IEC/EN 60664-1 440 V                             |
| <b>Operational Voltage:</b>                         | Maximum (Incl. Tolerance) 440 V AC<br>Minimum 12 V AC    |
| <b>Rated Frequency (f):</b>                         | 50 Hz<br>60 Hz   |

|  |  |
|--|--|
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (400 V AC) 15 kA   |
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (400 V AC) 7.5 kA  |
| <b>Energy Limiting Class:</b>  | 3  |
| <b>Overvoltage Category:</b>   | III  |
| <b>Pollution Degree:</b>   | 2  |
| <b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>               | 4 kV<br>(6.2 kV @ sea level)<br>(5.0 kV @ 2000 m)  |
| <b>Dielectric Test Voltage:</b>  | 50 / 60 Hz, 1 min: 2 kV  |
| <b>Housing Material:</b>   | Insulation Group I, RAL 7035   |
| <b>Actuator Type:</b>  | Insulation group II, black, sealable   |
| <b>Contact Position Indication:</b>  | Red ON / Green OFF   |
| <b>Degree of Protection:</b>   | IP20   |
| <b>Remarks:</b>  | IP40 in enclosure with cover   |
| <b>Electrical Endurance:</b>   | 10000 AC cycle   |
| <b>Mechanical Endurance (<math>N_{endu}</math>):</b>                         | 20000 cycle  |
| <b>Terminal Type:</b>  | Ring-Tongue Terminals  |
| <b>Screw Terminal Type:</b>  | Ring-Tongue Terminal with Captive Screw  |
| <b>Tightening Torque:</b>  | 2.8 N·m  |
| <b>Recommended Screw Driver:</b>   | Pozidriv 2   |
| <b>Mounting on DIN Rail:</b>   | 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 |
| <b>Mounting Position:</b>  | Any  |

## Environmental

|  |   |
|--|---|
| <b>Ambient Air Temperature:</b>                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C        |
| <b>Resistance to Shock acc. to IEC 60068-2-27:</b>     | 25g / 2 shocks / 13 ms                                    |
| <b>Resistance to Vibrations acc. to IEC 60068-2-6:</b> | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In      |
| <b>Environmental Conditions:</b>                       | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |

## Technical UL/CSA

|  |                    |
|--|--------------------|
| <b>Maximum Operating Voltage UL/CSA:</b> | 240 V AC           |
| <b>Connecting Capacity UL/CSA:</b>       | Conductor 18-4 AWG |

|   |          |
|---|----------|
| <b>Tightening Torque UL/CSA:</b>            | 25 in·lb |
| <b>Interrupting Rating acc. to UL1077:</b>  | 10 kA    |
| <b>Short-Circuit Current Rating (SCCR):</b> | 10 kA    |

### Certificates and Declarations (Document Number)

|  |                 |
|--|-----------------|
| <b>Declaration of Conformity - CE:</b> | 2CDK400588D2702 |
| <b>Environmental Information:</b>      | 2CDK400030D201  |
| <b>Instructions and Manuals:</b>       | 2CDC002139D0201 |

### Container Information

|                                      |               |
|--------------------------------------|---------------|
| <b>Package Level 1 Units:</b>        | 3 piece       |
| <b>Package Level 1 Width:</b>        | 121 mm        |
| <b>Package Level 1 Length:</b>       | 191 mm        |
| <b>Package Level 1 Height:</b>       | 82 mm         |
| <b>Package Level 1 Gross Weight:</b> | 1.32 kg       |
| <b>Package Level 1 EAN:</b>          | 4016779850605 |
| <b>Package Level 2 EAN:</b>          | 4016779984119 |

### Classifications

|                                    |  |
|------------------------------------|--|
| <b>Object Classification Code:</b> | F  |
| <b>ETIM 4:</b>                     | EC000042 - Miniature circuit breaker (MCB) |
| <b>ETIM 5:</b>                     | EC000042 - Miniature circuit breaker (MCB) |
| <b>ETIM 6:</b>                     | EC000042 - Miniature circuit breaker (MCB) |
| <b>ETIM 7:</b>                     | EC000042 - Miniature circuit breaker (MCB) |
| <b>eClass:</b>                     | 7.0 27141901                               |
| <b>UNSPSC:</b>                     | 39121614                                   |

### Accessories

| Identifier      | Description                           | Type      | Qty | Unit Of Measure |
|-----------------|---------------------------------------|-----------|-----|-----------------|
| 2CDS200908R0001 | S2C-A1U - Shunt Trip                  | S2C-A1U   | 1   | piece           |
| 2CDS200908R0002 | S2C-A2U - Shunt Trip                  | S2C-A2U   | 1   | piece           |
| 2CDS200914R0001 | S2C-H6RU - Auxiliary Contact          | S2C-H6RU  | 1   | piece           |
| 2CDS200917R0001 | S2C-TC20U - Mechanical Accessories    | S2C-TC20U | 1   | piece           |
| 2CDS200924R0001 | S2C-S6RU - Signal / Auxiliary Contact | S2C-S6RU  | 1   | piece           |

