

PRODUCT-DETAILS

# S203L-C20

## Miniature Circuit Breaker - S200L - 3P - C - 20 ampere



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | S203L-C20  |
| Product ID            | 2CDS243701R0204  |
| EAN                   | 4016779598583  |
| Catalog Description   | Miniature Circuit Breaker - S200L - 3P - C - 20 ampere |
| Long Description      | S203L-C 20 MiniCircuitBreaker C-Char.,4,5kA,20A,3P     |

### Technical

|                                    |   |
|------------------------------------|---|
| Standards                          | IEC/EN 60898-1<br>IEC/EN 60947-2  |
| Number of Poles                    | 3   |
| Number of Protected Poles          | 3   |
| Tripping Characteristic            | C   |
| Rated Current ( $I_n$ )            | 20 A  |
| Rated Operational Voltage          | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 400 V AC              |
| Power Loss                         | 7.5 W<br>at Rated Operating Conditions per Pole 2.5 W                     |
| Rated Insulation Voltage ( $U_i$ ) | acc. to IEC/EN 60664-1 440 V  |
| Operational Voltage                | Maximum (Incl. Tolerance) 440 V AC<br>Maximum 440 V AC<br>Minimum 12 V AC |
| Rated Frequency (f)                | 50 Hz<br>60 Hz  |

|   |  |
|---|--|
| Rated Short-Circuit Capacity ( $I_{cn}$ )                   | (400 V AC) 4.5 kA  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (400 V AC) 6 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (400 V AC) 4.5 kA  |
| Energy Limiting Class                                       | 3  |
| Overvoltage Category  | III  |
| Pollution Degree  | 2  |
| 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   |
| Remarks   | IP40 in enclosure with cover   |
| Electrical Endurance  | 20000 AC cycle<br>20000 cycle  |
| Terminal Type   | Screw Terminals  |
| Screw Terminal Type   | Failsafe Bi-directional Cylinder-lift Terminal   |
| Connecting Capacity   | Busbar 10 / 10 mm <sup>2</sup><br>Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup><br>Flexible 0.75 ... 16 mm <sup>2</sup><br>Rigid 0.75 ... 25 mm <sup>2</sup><br>Stranded 0.75 ... 25 mm <sup>2</sup> |
| Tightening Torque   | 2.8 N·m  |
| Recommended Screw Driver                                    | Pozidriv 2   |
| 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  |
| Built-In Depth ( $t_2$ )                                    | 69 mm  |
| Installation Size   | acc. to DIN 43880 1  |
| Power Supply Connection                                     | Arbitrary  |

## Environmental

|  |   |
|--|---|
| 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

|                     |                 |
|---------------------|-----------------|
| Connecting Capacity | Busbar 18-8 AWG |
|---------------------|-----------------|

UL/CSA

Conductor 18-4 AWG

---

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 52.5 mm  |
| Product Net Depth / Length | 69 mm    |
| Product Net Height         | 88 mm    |
| Product Net Weight         | 0.375 kg |

---

## Container Information

|                                |                |
|--------------------------------|----------------|
| Package Level 1 Units          | carton 1 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   | 0.4 kg         |
| Package Level 1 EAN            | 4016779599184  |
| Package Level 2 Units          | 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   | 12.16 kg       |
| Package Level 2 EAN            | 4016779969451  |

---

## Ordering

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

---

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CDK403001D0607 |
| Environmental Information      | 2CDK400030D0201 |
| Instructions and Manuals       | 2CDS207104P0001 |
| RoHS Information               | 2CDK400003K0203 |

---

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107046A0423 |
| Instructions and Manuals          | 2CDS207104P0001 |

---

## Classifications

|                            |  |
|----------------------------|--|
| Object Classification Code | F  |
| ETIM 6                     | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB) |

eClass

7.0 27141901

UNSPSC

39121614

---

## Categories

---

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

