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 PRODUCT-DETAILS

## SH203L-C63

### SH203L-C63 Miniature Circuit Breaker - 3P - C - 63 A




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#### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | SH203L-C63   |
| Product ID            | 2CDS243001R0634  |
| EAN                   | 4016779945028  |
| Catalog Description   | SH203L-C63 Miniature Circuit Breaker - 3P - C - 63 A         |
| Long Description      | SH203L-C63 Miniature Circuit Breaker C-Char., 4,5kA, 63A, 3P |

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#### Technical

|   |   |
|---|---|
| Standards   | IEC/EN 60898-1  |
| Tripping Characteristic                             | C   |
| Rated Operational Voltage                           | acc. to IEC 60898-1 400 V                             |
| Operational Voltage                                 | Maximum (Incl. Tolerance) 440 V AC<br>Minimum 12 V AC |
| Rated Insulation Voltage (U <sub>i</sub> )          | acc. to IEC/EN 60664-1 440 V                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV         |

|  |   |
|--|---|
| Dielectric Test Voltage                                    | 50/60 Hz, 1 min: 2 kV   |
| Input Voltage Type   | AC  |
| Rated Current (I <sub>n</sub> )                            | 63 A  |
| Rated Short-Circuit Capacity                               | (AC) 4.5 kA<br>(400 V AC) 4.5 kA  |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> ) | (230 V) 5 kA<br>(400 V) 5 kA  |
| Rated Frequency (f)  | 50 / 60 Hz  |
| Power Supply Connection                                    | Arbitrary   |
| Contact Position Indication                                | ON / OFF  |
| Energy Limiting Class                                      | 3   |
| Electrical Endurance                                       | 10000 AC cycle  |
| Mechanical Endurance                                       | 20000 cycle   |
| Number of Protected Poles                                  | 3   |
| Number of Poles  | 3   |
| Overvoltage Category                                       | III   |
| Tightening Torque  | 2 N·m   |
| Actuator Type  | Toggle  |
| Screw Terminal Type  | Cage Terminal   |
| Actuator Marking   | I / O   |
| Actuator Material  | Insulation Group II, Black, Sealable  |
| Housing Material   | Insulation Group II, RAL 7035   |
| 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   |
| Recommended Screw Driver                                   | Pozidriv 2  |
| Accessories Available                                      | No  |
| Connecting Capacity  | Conductor 25 / 25 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> |
| Installation Size  | acc. to DIN 43880 1   |
| Terminal Type  | Screw Terminals   |

## Material Compliance

|   |  |
|---|--|
| RoHS Information                            | 2CDK400030D0201  |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| REACH Declaration                           | 9AKK108468A9644  |
| REACH Information                           | True - contains substances > 0.1 mass percentage                       |
| REACH Date                                  | 20231212   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363  |

## Environmental

|                                   |  |
|-----------------------------------|--|
| Ambient Air Temperature           | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 30 °C  |

|   |   |
|---|---|
| Degree of Protection                          | IP20<br>Enclosure with Cover IP40                         |
| Pollution Degree                              | 2   |
| 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.<br>to IEC 60068-2-27 | 25g 2 shocks 13 ms  |
| Environmental Information                     | 2CDK400030D0201   |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 3.0      |
| Product Net Width                   | 52.5 mm  |
| Product Net Height                  | 85 mm    |
| Product Net Depth / Length          | 69 mm    |
| Product Net Weight                  | 0.375 kg |
| Pole Net Weight                     | 0.125 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm    |

## Ordering

|                              |                |
|------------------------------|----------------|
| Package Level 1 Units        | carton 1 piece |
| Package Level 1 Gross Weight | 0.39 kg        |

## Certificates and Declarations

|                                |                 |
|--------------------------------|-----------------|
| Certification Agency           | EN<br>IEC       |
| Declaration of Conformity - CE | 2CDK400607D2703 |

## Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDS207105P0001 |
|--------------------------|-----------------|

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CSC400030D0202 |
|-----------------------------------|-----------------|

## Classifications

|                |  |
|----------------|--|
| ETIM 8         | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9         | EC000042 - Miniature circuit breaker (MCB)                 |
| 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 |

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## Categories

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

