

PRODUCT-DETAILS

# S203MT-D1,6

## S203MT-D1,6 Miniature Circuit Breakers MCBs - 3P - D - 1.6 A



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | S203MT-D1,6   |
| Product ID            | 2CDS273445R0971   |
| EAN                   | 4016779125222   |
| Catalog Description   | S203MT-D1,6 Miniature Circuit Breakers MCBs - 3P - D - 1.6 A  |
| Long Description      | S203MT-D1,6 Miniature Circuit Breaker D-Char., 10kA, 1.6A, 3P |

### Technical

|   |   |
|---|---|
| Standards                                     | IEC/EN 60898-1, IEC/EN 60947-2, UL 1077, CSA 22.2 No. 235   |
| Tripping Characteristic                       | D   |
| Rated Voltage ( $U_r$ )                       | 440 V   |
| Rated Operational Voltage                     | acc. to IEC 60898-1 400 V<br>acc. to IEC 60947-2 230 V  |
| Operational Voltage                           | Maximum (Incl. Tolerance) 253 V AC<br>Maximum (Incl. Tolerance) 66 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC |
| Rated Insulation Voltage ( $U_i$ )            | acc. to IEC/EN 60664-1 440 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 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 ( $I_n$ )                       | 1.6 A   |
| Rated Short-Circuit                           | 10 kA   |

|   |   |
|---|---|
| Capacity  |   |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | 15 kA<br>(230 V) 15 kA<br>(400 V) 15 kA   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | 11.2 kA   |
| Rated Frequency (f)   | 50 / 60 Hz  |
| Power Loss  | 4.5 W   |
| Energy Limiting Class                                       | 3   |
| Mechanical Endurance  | 20000 cycle   |
| Number of Poles   | 3   |
| Number of Protected Poles                                   | 3   |
| Number of Modular Spacings per DIN Rail                     | 3   |
| Overvoltage Category  | III   |
| Tightening Torque   | 2.8 N·m   |
| 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  |
| 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                                       | Yes   |
| Connecting Capacity   | Busbar 10 / 10 mm <sup>2</sup><br>Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Installation Size   | acc. to DIN 43880 3   |
| Terminal Type   | Screw Terminals   |

## Environmental

|  |  |
|--|--|
| Ambient Air Temperature                        | Operation -40 ... +70 °C<br>Storage -40 ... 75 °C                      |
| Degree of Protection                           | Enclosure with Cover IP20  |
| Pollution Degree                               | 3  |
| Environmental Conditions                       | 28 cycles<br>with 55 °C / 90-96 %<br>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 |
| RoHS Information                               | 2CQB100288   |
| REACH Declaration                              | 9AKK107492A1906  |
| Conflict Minerals Reporting Template (CMRT)    | 9AKK108468A3363  |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 52.5 mm  |
| Product Net Height         | 88 mm    |
| Product Net Depth / Length | 69 mm    |
| Product Net Weight         | 0.375 kg |
| Pole Net Weight            | 0.115 kg |
| Built-In Depth ( $t_2$ )   | 69 mm    |

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**Ordering**


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|                              |             |
|------------------------------|-------------|
| Minimum Order Quantity       | 1 piece     |
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 0.387 kg    |

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**Certificates and Declarations**


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|-----------------------------------|------------|
| Certification Agency              | EN<br>IEC  |
| Declaration of Conformity<br>- CE | 2CQB100288 |

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**Installation**


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|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDS207104P0002 |
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**Popular Downloads**


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|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK108467A7598 |
|-----------------------------------|-----------------|

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**Classifications**


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|                                    |  |
|------------------------------------|--|
| 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                         |
| Object Classification Code         | F  |

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**Accessories**


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| Identifier      | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact            | S2C-H6R       | 1        | piece           |
| 2CDS200936R0001 | S2C-H11L Auxiliary Contact           | S2C-H11L      | 1        | piece           |
| 2CDS200936R0002 | S2C-H20L Auxiliary Contact           | S2C-H20L      | 1        | piece           |
| 2CDS200936R0003 | S2C-H02L Auxiliary Contact           | S2C-H02L      | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CDS200909R0001 | S2C-A1 Shunt Trip                    | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | S2C-A2 Shunt Trip                    | S2C-A2        | 1        | piece           |
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage release    | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage release    | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage release    | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage release   | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage release   | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage release   | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage release    | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage release    | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage release   | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage release   | S2C-UA 230 DC | 1        | piece           |
| 2CSS201997R0013 | S2C-CM1 Motor operating device       | S2C-CM1       | 1        | piece           |
| 2CSS203997R0013 | S2C-CM2/3 Motor operating device     | S2C-CM2/3     | 1        | piece           |
| 2CSS204997R0013 | S2C-CM4 Motor operating device       | S2C-CM4       | 1        | piece           |
| GHS2001901R0003 | S2C-DH Mechanical Accessories        | S2C-DH        | 1        | piece           |
| 2CSS200998R0001 | S2C-BP Mechanical tripping device    | S2C-BP        | 1        | piece           |
| 2CSS200999R0001 | S2C-EST Plug-in base                 | S2C-EST       | 1        | piece           |
| 2CDS200918R0001 | S2C-NT Hand Operated Neutral         | S2C-NT        | 1        | piece           |
| 2CCA880100R0001 | CMS-100PS Sensor                     | CMS-100PS     | 1        | piece           |
| 2CCA880101R0001 | CMS-101PS Sensor                     | CMS-101PS     | 1        | piece           |
| 2CCA880102R0001 | CMS-102PS Sensor                     | CMS-102PS     | 1        | piece           |

## Categories

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

