



PRODUCT-DETAILS

# S202-C100

## Miniature Circuit Breaker - 2P - C - 100 A



| General Information   |   |
|-----------------------|---|
| Extended Product Type | S202-C100   |
| Product ID            | 2CDS252001R0824   |
| EAN                   | 4016779916684   |
| Catalog Description   | Miniature Circuit Breaker - 2P - C - 100 A                |
| Long Description      | S202-C100 Miniature Circuit Breake C-Char., 6kA, 100A, 2P |

| Technical                 |  |
|---------------------------|--|
| Standards                 | IEC/EN 60898-1<br>IEC/EN 60947-2   |
| Tripping Characteristic   | C  |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60898-1 400 V<br>acc. to IEC 60947-2 400 V AC                      |
| Operational Voltage       | Maximum (Incl. Tolerance) 440 V AC<br>Maximum (Incl. Tolerance) 110 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC |
| Rated Insulation Voltage  | acc. to IEC/EN 60664-1 440 V   |

(U<sub>i</sub>)

|  |  |
|--|--|
| Rated Impulse<br>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> )  | 100 A  |
| Rated Short-Circuit<br>Capacity  | (AC) 6 kA<br>(DC) 6 kA<br>(230 V AC) 6 kA<br>(400 V AC) 6 kA<br>(400 V) 6 kA   |
| Rated Ultimate Short-<br>Circuit Breaking<br>Capacity (I <sub>cu</sub> ) | (230 V AC) 10 kA<br>(400 V AC) 6 kA<br>(400 V) 6 kA  |
| Rated Conditional Short-<br>Circuit Current (I <sub>nc</sub> )           | (230 V) 10 kA<br>(400 V) 20 kA   |
| Rated Service Short-<br>Circuit Breaking<br>Capacity (I <sub>cs</sub> )  | (400 V AC) 6 kA  |
| Rated Frequency (f)  | 50 / 60 Hz   |
| Power Loss   | 19.6 W<br>at Rated Operating Conditions per Pole 9.8 W   |
| Power Supply<br>Connection   | Arbitrary  |
| Contact Position<br>Indication   | ON / OFF   |
| Energy Limiting Class  | 3  |
| Electrical Endurance   | 10000 AC cycle   |
| Mechanical Endurance   | 20000 cycle  |
| Number of Protected<br>Poles   | 2  |
| Number of Poles  | 2  |
| Overvoltage Category   | III  |
| Tightening Torque  | 3 N·m  |
| Actuator Type  | Toggle   |
| 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<br>Driver  | Pozidriv 2   |
| Accessories Available  | Yes  |
| Connecting Capacity  | Busbar 16 / 16 mm <sup>2</sup><br>Conductor 2.5 ... 50 mm <sup>2</sup><br>Flexible 4 ... 35 mm <sup>2</sup><br>Rigid 2.5 ... 50 mm <sup>2</sup><br>Stranded 2.5 ... 50 mm <sup>2</sup> |
| Installation Size  | acc. to DIN 43880 1  |
| Terminal Type  | Screw Terminals  |

## Material Compliance

|                  |  |
|------------------|--|
| RoHS Information | 2CDK400601D2703  |
| RoHS Status      | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date        | 20200320   |

|   |  |
|---|--|
| REACH Declaration                           | 9AKK107492A1906                                  |
| REACH Information                           | True - contains substances > 0.1 mass percentage |
| REACH Date                                  | 20240821   |
| 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>IP40<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 | 2.0     |
| Product Net Width                   | 35 mm   |
| Product Net Height                  | 88 mm   |
| Product Net Depth / Length          | 69 mm   |
| Product Net Weight                  | 0.28 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm   |

Ordering

|                              |                |
|------------------------------|----------------|
| Package Level 1 Units        | carton 5 piece |
| Package Level 1 Gross Weight | 16 kg          |
| E-Number (Finland)           | 3210641        |
| E-Number (Norway)            | 1682948        |

Certificates and Declarations

|                                  |                 |
|----------------------------------|-----------------|
| Declaration of Conformity - CE   | 2CDK400601D2703 |
| Declaration of Conformity - UKCA | 9AKK108467A5198 |
| Certification Agency             | EN<br>IEC       |

Installation

|                  |                 |
|------------------|-----------------|
| Instructions and | 2CDS207104P0002 |
|------------------|-----------------|

Manuals

Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107680A3031 |
|-----------------------------------|-----------------|

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 90   |
| UNSPSC                             | 39121603   |
| eClass                             | V11.0 : 27141901   |
| IDEA Granular Category Code (IGCC) | 4897 >> Miniature circuit breakers                         |
| Object Classification Code         | F  |

Accessories

| Identifier      | Description                | Type          | Quantity | Unit Of Measure |
|-----------------|----------------------------|---------------|----------|-----------------|
| 2CDS200922R0001 | Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | Auxiliary Contact          | S2C-H6R       | 1        | piece           |
| 2CDS200970R0001 | Auxiliary Contact          | S2C-H01       | 1        | piece           |
| 2CDS200970R0002 | Auxiliary Contact          | S2C-H10       | 1        | piece           |
| 2CDS200936R0001 | Auxiliary Contact          | S2C-H11L      | 1        | piece           |
| 2CDS200936R0002 | Auxiliary Contact          | S2C-H20L      | 1        | piece           |
| 2CDS200936R0003 | Auxiliary Contact          | S2C-H02L      | 1        | piece           |
| 2CDS200946R0001 | Auxiliary Contact          | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | Auxiliary Contact          | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | Auxiliary Contact          | S2C-H6-02R    | 1        | piece           |
| 2CDS200909R0001 | Shunt Trip                 | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | Shunt Trip                 | S2C-A2        | 1        | piece           |
| 2CSS200911R0001 | Undervoltage Release       | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | Undervoltage Release       | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | Undervoltage Release       | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | Undervoltage Release       | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | Undervoltage Release       | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | Undervoltage Release       | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | Undervoltage Release       | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | Undervoltage Release       | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | Undervoltage Release       | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | Undervoltage Release       | S2C-UA 230 DC | 1        | piece           |
| GHS2001901R0003 | Mechanical Accessories     | S2C-DH        | 1        | piece           |
| 2CSS200998R0001 | Mechanical tripping device | S2C-BP        | 1        | piece           |
| 2CCA880100R0001 | Sensor                     | CMS-100PS     | 1        | piece           |
| 2CCA880101R0001 | Sensor                     | CMS-101PS     | 1        | piece           |
| 2CCA880102R0001 | Sensor                     | CMS-102PS     | 1        | piece           |

Categories

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

