

PRODUCT-DETAILS

# SD203/16

## SD203/16 Switch Disconnectors



### General Information

|                       |                                      |
|-----------------------|--------------------------------------|
| Extended Product Type | SD203/16                             |
| Product ID            | 2CDD283101R0016                      |
| EAN                   | 4016779904186                        |
| Catalog Description   | SD203/16 Switch Disconnectors        |
| Long Description      | SD203/16 Switch Disconnecter 3P, 16A |

### Technical

|                                                      |                                               |
|------------------------------------------------------|-----------------------------------------------|
| Standards                                            | IEC/EN 60947-3                                |
| Rated Voltage ( $U_r$ )                              | 440 V<br>12 V Minimum                         |
| Rated Operational Voltage                            | 440 V AC                                      |
| Operational Voltage                                  | Maximum 462 V AC<br>Minimum 12 V AC           |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )        | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV |
| Input Voltage Type                                   | AC                                            |
| Rated Current ( $I_n$ )                              | 16 A                                          |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | 25 kA                                         |
| Rated Service Short-Circuit Breaking                 | 25 kA                                         |

|                             |                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity (I <sub>cs</sub> ) |                                                                                                                                                     |
| Rated Frequency (f)         | 50 / 60 Hz                                                                                                                                          |
| Power Loss                  | at Rated Operating Conditions per Pole 0.91 W                                                                                                       |
| Contact Position Indication | ON / OFF                                                                                                                                            |
| Electrical Endurance        | 20000 AC cycle                                                                                                                                      |
| Mechanical Endurance        | 20000 cycle                                                                                                                                         |
| Number of Poles             | 3                                                                                                                                                   |
| Number of Contacts CO       | 0                                                                                                                                                   |
| Number of Contacts NC       | 0                                                                                                                                                   |
| Number of Contacts NO       | 3                                                                                                                                                   |
| Overvoltage Category        | III                                                                                                                                                 |
| Tightening Torque           | 2.8 N·m                                                                                                                                             |
| Utilization Category        | Switching of motor loads or other highly inductive loads - frequent actuation (AC-23A)                                                              |
| Actuator Type               | Toggle                                                                                                                                              |
| Screw Terminal Type         | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                      |
| Switch Type                 | Off                                                                                                                                                 |
| Actuator Marking            | I / O                                                                                                                                               |
| Actuator Material           | Insulation Group II, Red, Sealable                                                                                                                  |
| Housing Material            | Insulation Group I, RAL 7035                                                                                                                        |
| Mounting Position           | any                                                                                                                                                 |
| Recommended Screw Driver    | Pozidriv 2                                                                                                                                          |
| Accessories Available       | Yes                                                                                                                                                 |
| Cover Color                 | Grey                                                                                                                                                |
| Connecting Capacity         | Busbar 10 / 10 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> |
| Terminal Type               | Screw Terminals                                                                                                                                     |

## Environmental

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Ambient Air Temperature                        | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C        |
| Degree of Protection                           | IP20<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 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                         |
| Environmental Information                      | 2CDK400618D0201                                           |
| REACH Declaration                              | 9AKK107492A1906                                           |

## Dimensions

|                                     |         |
|-------------------------------------|---------|
| Width in Number of Modular Spacings | 3       |
| Product Net Width                   | 52.5 mm |
| Product Net Height                  | 88 mm   |
| Product Net Depth /                 | 69 mm   |

## Length

|                                  |          |
|----------------------------------|----------|
| Product Net Weight               | 0.255 kg |
| Built-In Depth (t <sub>2</sub> ) | 69 mm    |

## Container Information

|                                |                |
|--------------------------------|----------------|
| Package Level 1 Units          | carton 1 piece |
| Package Level 1 Width          | 92 mm          |
| Package Level 1 Height         | 80 mm          |
| Package Level 1 Depth / Length | 58 mm          |
| Package Level 1 Gross Weight   | 0.27 kg        |
| Package Level 1 EAN            | 4016779904667  |
| Package Level 2 Units          | 36 piece       |
| Package Level 2 Width          | 275 mm         |
| Package Level 2 Height         | 210 mm         |
| Package Level 2 Depth / Length | 395 mm         |
| Package Level 2 Gross Weight   | 10.12 kg       |
| Package Level 2 EAN            | 4016779905145  |

## Ordering

|                        |               |
|------------------------|---------------|
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85369095      |
| E-Number (Finland)     | 3601637       |
| Country of Origin      | Bulgaria (BG) |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Certification Agency           | IEC<br>EN       |
| Declaration of Conformity - CE | 2CDK440034D2703 |
| Environmental Information      | 2CDK400618D0201 |
| Instructions and Manuals       | 2CDC441015D0201 |
| REACH Declaration              | 9AKK107492A1906 |
| RoHS Information               | 2CDK440036D0202 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC441015D0201 |
| Instructions and Manuals          | 2CDC441015D0201 |

## Classifications

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| ETIM 7             | EC001545 - Main switch for distribution board                                 |
| ETIM 8             | EC001545 - Main switch for distribution board                                 |
| EPLAN Catalog Tree | Electrical engineering / Sensor, switch, and pushbutton / Switch , pushbutton |

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Consumer                                       |
| CN8                        | 8536 90 95                                                 |
| eClass                     | V11.0 : 27142301                                           |
| Object Classification Code | Q                                                          |

## Accessories

| 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 → Command and Signalling Devices → Switch Disconnectors

