



PRODUCT-DETAILS

# SD204/25

## SD204/25 Switch Disconnecter



| General Information   |                                          |
|-----------------------|------------------------------------------|
| Extended Product Type | SD204/25                                 |
| Product ID            | 2CDD284101R0025                          |
| EAN                   | 4016779904254                            |
| Catalog Description   | SD204/25 Switch Disconnecter             |
| Long Description      | SD204/25 - Switch Disconnecter - 4P, 25A |

| Technical                                           |                                               |
|-----------------------------------------------------|-----------------------------------------------|
| Standards                                           | IEC/EN 60947-3                                |
| Rated Voltage (U <sub>r</sub> )                     | 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 <sub>imp</sub> ) | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV |
| Input Voltage Type                                  | AC                                            |

|                                                            |                                                                                                                                                                                                          |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Current (I <sub>n</sub> )                            | 25 A                                                                                                                                                                                                     |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> ) | 25 kA                                                                                                                                                                                                    |
| Rated Frequency (f)                                        | 50 / 60 Hz                                                                                                                                                                                               |
| Power Loss                                                 | at Rated Operating Conditions per Pole 1.32 W                                                                                                                                                            |
| Contact Position Indication                                | ON / OFF                                                                                                                                                                                                 |
| Electrical Endurance                                       | 20000 AC cycle                                                                                                                                                                                           |
| Mechanical Endurance                                       | 20000 cycle                                                                                                                                                                                              |
| Number of Contacts CO                                      | 0                                                                                                                                                                                                        |
| Number of Contacts NC                                      | 0                                                                                                                                                                                                        |
| Number of Contacts NO                                      | 4                                                                                                                                                                                                        |
| Number of Poles                                            | 4                                                                                                                                                                                                        |
| 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 with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Terminal Type                                              | Screw Terminals                                                                                                                                                                                          |

## Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| RoHS Information                            | 2CDK440034D2703                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date                                   | 20210528                                                               |
| REACH Declaration                           | 9AKK108468A9644                                                        |
| REACH Information                           | False - does not contains substances > 0.1 mass percentage             |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                                        |

## 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                   | 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                                |
| Environmental Information                  | 2CDK400618D0201                                   |

### Dimensions

|                                     |         |
|-------------------------------------|---------|
| Width in Number of Modular Spacings | 4       |
| Product Net Width                   | 70 mm   |
| Product Net Height                  | 88 mm   |
| Product Net Depth / Length          | 69 mm   |
| Product Net Weight                  | 0.34 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm   |

### Ordering

|                              |         |
|------------------------------|---------|
| Package Level 1 Units        | 1 piece |
| Package Level 1 Gross Weight | 0.36 kg |
| E-Number (Finland)           | 3601644 |

### Certificates and Declarations

|                                |                 |
|--------------------------------|-----------------|
| Certification Agency           | IEC<br>EN       |
| Declaration of Conformity - CE | 2CDC440034D2703 |

### Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDC441015D0201 |
|--------------------------|-----------------|

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC441015D0201 |
|-----------------------------------|-----------------|

### Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 8                     | EC001545 - Main switch for distribution board              |
| ETIM 9                     | EC001545 - Main switch for distribution board              |
| 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           |
| 2CDS200970R0001 | S2C-H01 Auxiliary Contact            | S2C-H01       | 1        | piece           |
| 2CDS200970R0002 | S2C-H10 Auxiliary Contact            | S2C-H10       | 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  
Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)

