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 PRODUCT-DETAILS

## DS203NC C32 A30

### Residual Current Circuit Breaker with Overcurrent Protection




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#### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | DS203NC C32 A30  |
| Product ID            | 2CSR256140R1324  |
| EAN                   | 8012542831228  |
| Catalog Description   | Residual Current Circuit Breaker with Overcurrent Protection   |
| Long Description      | DS203NC is a 3P+N residual current circuit breaker with overcurrent protection (RCBO) in four modules for the protection against short-circuit currents, overload, earth fault currents, indirect contacts, additional protection against direct contacts. |

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#### Technical

|                           |  |
|---------------------------|--|
| Standards                 | IEC 61009-1<br>IEC 61009-2-1<br>EN 61009-1<br>EN 61009-2-1 |
| Tripping Characteristic   | C  |
| Type of Residual Current  | Type A   |
| Rated Operational Voltage | acc. to IEC 60898-1 415 V                                  |
| Rated Insulation Voltage  | acc. to IEC/EN 60664-1 500 V                               |

|   |  |
|---|--|
| (U <sub>i</sub> )   |  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                                       | 4 kV   |
| Input Voltage Type  | AC   |
| Rated Current (I <sub>n</sub> )   | 32 A   |
| Rated Residual Current  | 30 mA  |
| Rated Short-Circuit Capacity  | 6 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )                         | 10 kA  |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )                                | 10 kA  |
| Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> ) | 6 kA   |
| Rated Frequency (f)   | 50 ... 60 Hz   |
| Power Loss  | 15.1 W   |
| Power Supply Connection   | Arbitrary  |
| Energy Limiting Class   | 3  |
| Electrical Endurance  | 10000 cycle  |
| Mechanical Endurance  | 20000 cycle  |
| Number of Poles   | 4  |
| Number of Protected Poles   | 3  |
| Operating Characteristic  | Instantaneous  |
| Overvoltage Category  | III  |
| Position of Neutral Terminals   | Right  |
| Earthing Switch Type  | Undelayed  |
| Options Provided  | None   |
| Accessories Available   | Yes  |
| Connecting Capacity   | Busbar 10 mm <sup>2</sup><br>Rigid 25 ... 25 mm <sup>2</sup><br>Flexible 25 ... 25 mm <sup>2</sup> |
| Rated Cross-Section   | 1 - Solid-Core 25 ... 25 mm <sup>2</sup><br>4 - Multi-Wired 1 ... 25 mm <sup>2</sup>               |

## Material Compliance

|   |  |
|---|--|
| RoHS Information                            | 9AKK106713A5597                                  |
| RoHS Status                                 | Following EU Directive 2011/65/EU                |
| RoHS Date                                   | 20150415   |
| REACH Declaration                           | 9AKK108467A9482                                  |
| REACH Information                           | True - contains substances > 0.1 mass percentage |
| REACH Date                                  | 20240429   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                  |

## Environmental

|                         |                         |
|-------------------------|-------------------------|
| Ambient Air Temperature | Operation -25 ... 55 °C |
| Degree of Protection    | IP2X                    |

|                           |                           |
|---------------------------|---------------------------|
| Pollution Degree          | 2                         |
| Environmental Information | refer to RoHS information |

## Dimensions

|                                     |                 |
|-------------------------------------|-----------------|
| Width in Number of Modular Spacings | 4               |
| Product Net Width                   | 0.071 m         |
| Product Net Height                  | 0.085 m         |
| Product Net Depth / Length          | 0.069 m         |
| Product Net Weight                  | 0.480 kg        |
| Built-In Depth (t <sub>2</sub> )    | 69 mm           |
| Dimension Diagram                   | 9AKK106930A2210 |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 0.076 m       |
| Package Level 1 Height         | 0.096 m       |
| Package Level 1 Depth / Length | 0.073 m       |
| Package Level 1 Gross Weight   | 0.530 kg      |
| Package Level 1 EAN            | 8012542831228 |

## Ordering

|                        |         |
|------------------------|---------|
| Minimum Order Quantity | 1 piece |
| E-Number (Finland)     | 3211103 |
| E-Number (Norway)      | 1683605 |
| E-Number (Sweden)      | 2160035 |

## Certificates and Declarations

|                                |                  |
|--------------------------------|------------------|
| CCC Certificate                | 2021980307001650 |
| Declaration of Conformity - CE | 9AKK106713A5597  |

## Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 9AKK106713A8790 |
|--------------------------|-----------------|

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CSC423030B0201 |
|-----------------------------------|-----------------|

## Classifications

|                                    |  |
|------------------------------------|--|
| ETIM 8                             | EC000905 - Earth leakage circuit breaker                   |
| ETIM 9                             | EC000905 - Earth leakage circuit breaker                   |
| WEEE Category                      | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B                     | Business To Consumer                                       |
| CN8                                | 85363030   |
| UNSPSC                             | 39121601   |
| eClass                             | V11.0 : 27142207   |
| IDEA Granular Category Code (IGCC) | 4875 >> Residual current circuit breaker (RCCB)            |
| Object Classification Code         | F  |

## Accessories

| Identifier      | Description                             | Type          | Quantity | Unit Of Measure |
|-----------------|---|---------------|----------|-----------------|
| 2CDS200912R0001 | Auxiliary Contact                       | S2C-H6R       | 1        | piece           |
| 2CDS200922R0001 | Signal / Auxiliary Contact              | S2C-S/H6R     | 1        | piece           |
| 2CSS200910R0005 | Overvoltage Release                     | S2C-OVP1      | 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           |
| 2CSS200923R0001 | Interface module with auxiliary contact | SN201-IH      | 1        | piece           |
| 2CSS200924R0001 | Signal Contact                          | SN201-S       | 1        | piece           |
| 2CSS200933R0011 | Shunt trip                              | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | Shunt trip                              | F2C-A2        | 1        | piece           |
| 2CSS200993R0005 | Overvoltage Release                     | S2C-OVP2      | 1        | piece           |

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Circuit Breakers with Overcurrent Protection RCBO

