

PRODUCT-DETAILS

DS203NC C16 A30

DS203NC C16 A30 Residual Current Circuit Breaker with Overcurrent Protection



General Information

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|-----------------------|--|
| Extended Product Type | DS203NC C16 A30 |
| Product ID | 2CSR256140R1164 |
| EAN | 8012542830924 |
| Catalog Description | DS203NC C16 A30 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. |

Technical

| | |
|---------------------------|--|
| Standards | IEC 61009-1 IEC 61009-2-1 EN 61009-1 EN 61009-2-1 |
| Tripping Characteristic | C |
| Type of Residual Current | Type A |
| Rated Voltage (U_r) | 400-415 V AC |
| Rated Operational Voltage | acc. to IEC 60898-1 415 V |
| Rated Insulation Voltage | acc. to IEC/EN 60664-1 500 V |

(U_I)

| | |
|---|--|
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Input Voltage Type | AC |
| Rated Current (I _n) | 16 A |
| Rated Residual Current | 30 mA |
| Rated Short-Circuit Capacity | 6 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | 10 kA |
| Rated Conditional Short-Circuit Current (I _{nc}) | 10 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of I _{cu} (I _{cs}) | 6 kA |
| Leakage Current Type | A |
| Frequency (f) | 50/60 Hz |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | 10 W |
| Power Supply Connection | Arbitrary |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Protected Poles | 3 |
| Number of Poles | 4 |
| Operating Characteristic | Instantaneous |
| Overvoltage Category | III |
| Position of Neutral Terminals | Right |
| Earthing Switch Type | Undelayed |
| Release Type | C |
| Options Provided | None |
| Accessories Available | Yes |
| Connecting Capacity | Busbar 10 mm ² Rigid 25 ... 25 mm ² Flexible 25 ... 25 mm ² |
| Rated Cross-Section | 1 - Solid-Core 25 ... 25 mm ² 4 - Multi-Wired 1 ... 25 mm ² |

Material Compliance

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|-------------------|-----------------------------------|
| RoHS Information | 9AKK106713A5597 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Date | 20150415 |
| REACH Declaration | 9AKK108467A9482 |
| Conflict Minerals | 9AKK108468A3363 |

Reporting Template
(CMRT)

Environmental

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|---------------------------|---------------------------|
| Ambient Temperature | -25...55 °C |
| Ambient Air Temperature | Operation -25 ... 55 °C |
| Degree of Protection | IP2X |
| Pollution Degree | 2 |
| Environmental Information | refer to RoHS information |

Dimensions

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|-------------------------------------|----------|
| 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 ₂) | 69 mm |

Ordering

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|------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.530 kg |
| E-Number (Finland) | 3211101 |
| E-Number (Sweden) | 2160032 |

Certificates and Declarations

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

Installation

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

Popular Downloads

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

Classifications

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|----------------------------|--|
| 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 | 85363010 |
| eClass | V11.0 : 27142207 |
| Object Classification Code | F |

Accessories

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

