

PRODUCT-DETAILS

DS203NC B20 AC300

DS203NC B20 AC300 Residual Current Circuit Breaker with Overcurrent Protection



General Information

| | |
|-----------------------|---|
| Extended Product Type | DS203NC B20 AC300 |
| Product ID | 2CSR256040R3205 |
| EAN | 8012542266020 |
| Catalog Description | DS203NC B20 AC300 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 (30 mA versions). |

Technical

| | |
|------------------------------------|--|
| Standards | IEC 61009-1 IEC 61009-2-1 EN 61009-1 EN 61009-2-1 |
| Tripping Characteristic | B |
| Type of Residual Current | AC type |
| Rated Voltage (U_r) | 400-415 V AC |
| Rated Operational Voltage | 400 ... 415 V AC |
| Rated Insulation Voltage (U_i) | 500 V |

| | |
|--|--|
| Rated Impulse Withstand Voltage (U_{imp}) | 4 kV |
| Input Voltage Type | AC |
| Rated Current (I_n) | 20 A |
| Rated Residual Current | 300 mA |
| Rated Short-Circuit Capacity | (230 / 400 V AC) 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 |
| Maximum Surge Current | 0.25 kA |
| Leakage Current Type | AC |
| Frequency (f) | 50/60 Hz |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | 11.8 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 |
| Release Type | B |
| 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 | 4 - Multi-Wired 1...25 mm ² 1 - Solid-Core 25...25 mm ² |

Environmental

| | |
|-------------------------|-----------------------------------|
| Ambient Temperature | -25...55 °C |
| Ambient Air Temperature | Operation -25...55 °C |
| Degree of Protection | IP2X |
| Pollution Degree | 2 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Information | 9AKK106713A5597 |

| | |
|---|---------------------------|
| REACH Declaration | 9AKK108467A9482 |
| Environmental Information | refer to RoHS information |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

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 ₂) | 69 mm |

Ordering

| | |
|------------------------------|-------------|
| Minimum Order Quantity | 1 piece |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.530 kg |

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 |
| 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

