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 PRODUCT-DETAILS

## DS203NC C32 AC300

### Residual Current Circuit Breaker with Overcurrent Protection




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**General Information**

Extended Product Type	DS203NC C32 AC300
Product ID	2CSR256040R3324
EAN	8012542180821
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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**ABB EcoSolutions**

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 83.26 %
Sustainable Material Content in Packaging (wt. %)	Recycled Paper - 00 % Recycled Cardboard - 92 % Recycled Paper - 00 %
Extended Product Lifetime	Product Durability
End Of Life	9AKK108469A7475

Disassembling  
InstructionsEnvironmental Product  
Declaration - EPD

9AKK108469A9830

**Technical**

Type of Residual Current	Type AC
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	10 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	6 kA
Maximum Surge Current	0.25 kA
Power Supply Connection	Arbitrary
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	4P
Operating Characteristic	Instantaneous
Position of Neutral Terminals	Right
Earthing Switch Type	Undelayed
Options Provided	None
Accessories Available	Yes
Connecting Capacity	Busbar 10 mm <sup>2</sup> Rigid 25 ... 25 mm <sup>2</sup> Flexible 25 ... 25 mm <sup>2</sup>
Rated Cross-Section	1 - Solid-Core 25 ... 25 mm <sup>2</sup> 4 - Multi-Wired 1 ... 25 mm <sup>2</sup>

**Electrical**

Tripping Characteristic	C
Rated Operational Voltage	acc. to IEC 60898-1 415 V
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Input Voltage Type	AC
Rated Current ( $I_n$ )	32 A
Rated Residual Current	300 mA
Rated Short-Circuit Capacity	6 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	10 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	15.1 W
Overvoltage Category	III

## 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
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

## 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	71 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	480 g
Built-In Depth (t <sub>2</sub> )	69 mm

## Ordering

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
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## Popular Downloads

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## External Classifications and Standards

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ETIM 9	EC000905 - Earth leakage circuit breaker
eClass	V11.0 : 27142207
Object Classification Code	F
Standards	IEC 61009-1 IEC 61009-2-1 EN 61009-1 EN 61009-2-1

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## Accessories

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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
2CSS200993R0005	Overvoltage Release	S2C-OVP2	1	piece

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## Categories

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

