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 PRODUCT-DETAILS

## DS203NC C32 AC30

### Residual Current Circuit Breaker with Overcurrent Protection DS203NC - 3P+N - 30 mA - 32 A - C - Type AC




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**General Information**


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<b>Extended Product Type:</b>	DS203NC C32 AC30
<b>Product ID:</b>	2CSR256040R1324
<b>EAN:</b>	8012542263920
<b>Catalog Description:</b>	Residual Current Circuit Breaker with Overcurrent Protection DS203NC - 3P+N - 30 mA - 32 A - C - Type AC
<b>Long Description:</b>	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.
<b>Display Name:</b>	DS203NC C32 AC30

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**ABB EcoSolutions**


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<b>Carbon Footprint (Full Lifecycle):</b>	13.076764 kg CO <sub>2</sub> eq
<b>ABB EcoSolutions:</b>	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 Disassembling Instructions:** 9AKK108469A7475

**Environmental Product Declaration - EPD:** 9AKK108469A9830

## Technical

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

## Electrical

<b>Tripping Characteristic:</b>	C
<b>Rated Operational Voltage:</b>	acc. to IEC 60898-1 415 V
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	acc. to IEC/EN 60664-1 500 V
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	4 kV
<b>Input Voltage Type:</b>	AC
<b>Rated Current (<math>I_n</math>):</b>	32 A
<b>Rated Residual Current:</b>	30 mA
<b>Rated Short-Circuit Capacity:</b>	6 kA
<b>Rated Conditional Short-Circuit Current (<math>I_{nc}</math>):</b>	10 kA

<b>Rated Frequency (f):</b>	50/60 Hz
<b>Power Loss:</b>	Total 15.1 W
<b>Overvoltage Category:</b>	III

## Material Compliance

<b>RoHS Declaration:</b>	9AKK106713A5597
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU
<b>RoHS Date:</b>	20150415
<b>REACH Declaration:</b>	9AKK108467A9482
<b>REACH Information:</b>	True - contains substances > 0.1 mass percentage
<b>REACH Date:</b>	20240429
<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108468A3363
<b>SCIP:</b>	2c29af59-06ed-473f-9061-b6645010b9c8 Italy
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>WEEE B2C / B2B:</b>	Business To Consumer

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... 55 °C
<b>Degree of Protection:</b>	IP2X
<b>Pollution Degree:</b>	2
<b>Environmental Information:</b>	refer to RoHS information

## Dimensions

<b>Width in Number of Modular Spacings:</b>	4
<b>Product Net Width:</b>	71 mm
<b>Product Net Height:</b>	85 mm
<b>Product Net Depth / Length:</b>	69 mm
<b>Product Net Weight:</b>	480 g
<b>Built-In Depth (t<sub>2</sub>):</b>	69 mm
<b>Dimension Diagram:</b>	9AKK106930A2210

## Engineering

<b>EPLAN Data:</b>	9AAC181438_EPLAN
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## Ordering

<b>Package Level 1 Units:</b>	box 1 piece
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Package Level 1 Gross Weight: 0.530 kg

## Certificates and Declarations

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

## Installation

Instructions and Manuals: 9AKK106713A8790  
 Mounting Type: DIN-Rail

## Popular Downloads

Data Sheet, Technical Information: 2CSC423030B0201

## External Classifications and Standards

ETIM 9: EC000905 - Earth leakage circuit breaker  
 ETIM 10: EC000905 - Earth leakage circuit breaker  
 UNSPSC: 39121601  
 eClass: V11.0 : 27142207  
 Object Classification Code: F  
 Standards: IEC 61009-1  
 IEC 61009-2-1  
 EN 61009-1  
 EN 61009-2-1

## Accessories

Identifier	Description	Qty	Type	Unit Of Measure
2CDS200933R0002	SCC-IH6R Auxiliary Contact 1 CO	1	SCC-IH6R	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact1 1CO		S2C-H6R	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	1	S2C-S/H6R	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	1	S2C-OVP1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	1	S2C-UA 24 AC	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	1	S2C-UA 48 AC	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	1	S2C-UA 110 AC	piece

2CSS200911R0005	S2C-UA 230 AC Undervoltage release	1	S2C-UA 230 AC	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	1	S2C-UA 400 AC	piece
2CSS200923R0001	SN201-IH Interface module with auxiliary contact	1	SN201-IH	piece
2CSS200924R0001	SN201-S Signal contact	1	SN201-S	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	1	S2C-OVP2	piece

## Categories

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



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