



 PRODUCT-DETAILS

DS203NC C16 A30

Residual Current Circuit Breaker with Overcurrent Protection DS203NC - 3P+N - 30 mA - 16 A - C - Type A



General Information

Extended Product Type:	DS203NC C16 A30
Product ID:	2CSR256140R1164
EAN:	8012542830924
Catalog Description:	Residual Current Circuit Breaker with Overcurrent Protection DS203NC - 3P+N - 30 mA - 16 A - C - Type A
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.
Display Name:	DS203NC C16 A30

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 Disassembling Instructions: 9AKK108469A7475

Environmental Product Declaration - EPD: 9AKK108469A9830

Technical

Type of Residual Current: Type A

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}): 10 kA

Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs}): 6 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: 3P+N

Operating Characteristic: Instantaneous

Position of Neutral Terminals: Right

Earthing Switch Type: Undelayed

Options Provided: None

Accessories Available: Yes

Connecting Capacity: Busbar 10 mm²
Rigid 25 ... 25 mm²
Flexible 25 ... 25 mm²

Rated Cross-Section: 1 - Solid-Core 25 ... 25 mm²
4 - Multi-Wired 1 ... 25 mm²

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): 16 A

Rated Residual Current: 30 mA

Rated Short-Circuit Capacity: 6 kA

Rated Conditional Short-Circuit Current (I_{nc}): 10 kA

Rated Frequency (f): 50/60 Hz

Power Loss: Total 10 W

Overvoltage Category: III

Material Compliance

RoHS Declaration:	9AKK106713A5597
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date:	20211115
REACH Declaration:	9AKK108467A9482
REACH Information:	True - contains substances > 0.1 mass percentage
REACH Date:	20240429
Conflict Minerals Reporting Template (CMRT):	9AKK108468A3363
SCIP:	2c29af59-06ed-473f-9061-b6645010b9c8 Italy
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 ₂):	69 mm
Dimension Diagram:	9AKK106930A2210

Engineering

EPLAN Data:	9AAC181438_EPLAN
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Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	76 mm
Package Level 1 Height:	96 mm

Package Level 1 Depth / Length:	73 mm
Package Level 1 Gross Weight:	0.530 kg
Package Level 1 EAN:	8012542830924

Ordering

Minimum Order Quantity:	1 piece
E-Number (Finland):	3211101
E-Number (Norway):	1683602
E-Number (Sweden):	2160032

Certificates and Declarations

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

Installation

Instructions and Manuals:	9AKK106713A8790
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Popular Downloads

Data Sheet, Technical Information:	2CSC423030B0201
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External Classifications and Standards

ETIM 9:	EC000905 - Earth leakage circuit breaker
ETIM 10:	EC000905 - Earth leakage circuit breaker
UNSPSC:	39121601
eClass:	V11.0 : 27142207
IDEA Granular Category Code (IGCC):	4875 >> Residual current circuit breaker (RCCB)
Object Classification Code:	F
Standards:	IEC 61009-1 IEC 61009-2-1 EN 61009-1 EN 61009-2-1

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
2CDS200933R0002	SCC-IH6R Auxiliary Contact 1 CO	SCC-IH6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	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
2CSS200924R0001	SN201-S Signal contact	SN201-S	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece

Categories

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

