



PRODUCT-DETAILS

DS203NC C20 A30

Residual Current Circuit Breaker with Overcurrent Protection



General Information	
Extended Product Type	DS203NC C20 A30
Product ID	2CSR256140R1204
EAN	8012542839927
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.

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
Instructions

Environmental Product Declaration - EPD	9AKK108469A9830
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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	4P
Operating Characteristic	Instantaneous
Position of Neutral Terminals	Right
Earthing Switch Type	Undelayed
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

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)	20 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	11.8 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 ₂)	69 mm
Dimension Diagram	9AKK106930A2210

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.530 kg
E-Number (Finland)	3211107
E-Number (Norway)	1683603
E-Number (Sweden)	2160033

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

External Classifications and Standards	
ETIM 9	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	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

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

