



 PRODUCT-DETAILS

DS203NC C16 A30

Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	DS203NC C16 A30
Product ID	2CSR256140R1164
EAN	8012542830924
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.

Technical

Standards	IEC 61009-1 IEC 61009-2-1 EN 61009-1 EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	Type A
Rated Operational Voltage	acc. to IEC 60898-1 415 V
Rated Insulation Voltage	acc. to IEC/EN 60664-1 500 V

(U _i)	
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 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
Rated Frequency (f)	50 ... 60 Hz
Power Loss	10 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
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

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

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	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
Dimension Diagram	9AKK106930A2210

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	0.076 m
Package Level 1 Height	0.096 m
Package Level 1 Depth / Length	0.073 m
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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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	85363010
UNSPSC	39121601
eClass	V11.0 : 27142207
IDEA Granular Category Code (IGCC)	4875 >> Residual current circuit breaker (RCCB)
Object Classification Code	F

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
2CSS200933R0011	Shunt trip	F2C-A1	1	piece
2CSS200933R0012	Shunt trip	F2C-A2	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

