PRODUCT-DETAILS

DS203NC L C10 AC300

DS203NC L C10 AC300 Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	DS203NC L C10 AC300
Product ID	2CSR246040R3104
EAN	8012542343028
Catalog Description	DS203NC L C10 AC300 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 AC
Rated Voltage (U_r)	400-415 V AC
Rated Operational Voltage	acc. to IEC 60898-1 415 V

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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)	10 A
Rated Residual Current	300 mA
Rated Short-Circuit Capacity	4.5 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	6 kA
Rated Conditional Short-Circuit Current (I_{nc})	6 kA
Rated Service Short-Circuit Breaking Capacity, in % of Icu (I_{cs})	4.5 kA
Maximum Surge Current	0.25 kA
Leakage Current Type	AC
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 … 60 Hz
Power Loss	5.6 W
Power Supply Connection	Arbitrary
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	4
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Right
Earthing Switch Type	Undelayed
Release Type	C
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

Material Compliance

RoHS Information	9AKK106713A5597
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20150415
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

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Ambient Temperature	-25...55 °C
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

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

Popular Downloads

Data Sheet, Technical Information	2CSC423030B0201

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
eClass	V11.0 : 27142207
Object Classification Code	F

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Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	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
2CSS200923R0001	SN201-IH Interface module with auxiliary contact	SN201-IH	1	piece
2CSS200924R0001	SN201-S Signal Contact	SN201-S	1	piece
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CSS200993R0005	S2C-OVP2 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





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