



PRODUCT-DETAILS

DS203NC L C25 AC30

Residual Current Circuit Breaker with Overcurrent Protection



General Information	
Extended Product Type	DS203NC L C25 AC30
Product ID	2CSR246040R1254
EAN	8012542353621
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

Technical

Type of Residual Current	Type AC
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	6 kA
Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs})	4.5 kA
Maximum Surge Current	0.25 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)	25 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	4.5 kA
Rated Conditional Short-Circuit Current (I_{nc})	6 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	10.3 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

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		
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External Classifications and Standards

ETIM 9	EC000905 - Earth leakage circuit breaker
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	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

