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 PRODUCT-DETAILS

## DS202CR M C20 A30

### Residual Current Circuit Breaker with Overcurrent Protection DS202CR M - 2P - 30 mA - 20 A - C - Type A




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**General Information**

Extended Product Type	DS202CR M C20 A30
Product ID	2CSR772140R1204
EAN	4022903034520
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection DS202CR M - 2P - 30 mA - 20 A - C - Type A
Long Description	The DS202CR series RCBO is a 2P in two-modules device for the protection of end user single-phase circuits against overload and short-circuit currents. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents. Protection against indirect contacts and additional protection against direct contacts.

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**ABB EcoSolutions**

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108471A9845
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 76.95 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
Extended Product	Product Durability

## Lifetime

Offered with Takeback Services	Take Back for Recycling
End Of Life Disassembling Instructions	9AKK108469A0544
Environmental Product Declaration - EPD	9AKK108467A5738

## Technical

Type of Residual Current	Type A
Test Voltage (Ut)	Minimum 150 V Maximum 254 V
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	10 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	7.5 kA
Maximum Surge Current	0.25 kA
Power Supply Connection	Arbitrary
Energy Limiting Class	3
Electrical Endurance	10000 operations
Mechanical Endurance	20000 operations
Number of Protected Poles	2
Number of Poles	2P
Fault Indication	Blue Flag on Window
Operating Characteristic	Instantaneous
Position of Neutral Terminals	Right Left
Tightening Torque	4 N·m
Accessory Type	Auxiliary contact Signal contact / auxiliary contact
Earthing Switch Type	Undelayed
Accessories Available	Yes
Number of Batteries	0
Connecting Capacity	Busbar 10...10 mm <sup>2</sup> Flexible 1...25 mm <sup>2</sup> Rigid Solid 1...35 mm <sup>2</sup>
Rated Cross-Section	1 - Solid-Core 1 ... 35 mm <sup>2</sup> 4 - Multi-Wired 1 ... 25 mm <sup>2</sup>
Wire Stripping Length	11 mm

## Electrical

Tripping Characteristic	C
Rated Operational Voltage	acc. to IEC 60898-1 230 V
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	20 A

Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Frequency (f)	50 Hz
Power Loss	Total 5.04 W
Overvoltage Category	III

## Material Compliance

RoHS Declaration	9AKK108466A5162
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20220211
REACH Declaration	9AKK108467A9482
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20220525
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
SCIP	16d43f0f-58e2-46e4-9af9-ecaae7a78c5e Poland
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	IP20
Pollution Degree	3
Environmental Conditions	28 cycle with 55 °C / 90-96 % and 25 °C / 95-100 %

## Dimensions

Width in Number of Modular Spacings	2
Product Net Width	36 mm
Product Net Height	86 mm
Product Net Depth / Length	72 mm
Product Net Weight	0.220 kg
Built-In Depth (t <sub>2</sub> )	72 mm

## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.245 kg
E-Number (Norway)	1629812

## Certificates and Declarations

ABS Certificate	9AKK108467A7630
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Declaration of Conformity - CE	9AKK108470A7536
IMQ Certificate	9AKK108467A6462
NF Certificate	9AKK108467A7737
RINA Certificate	9AKK108467A7089
VDE Certificate	9AKK108467A7823

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## Installation

Instructions and Manuals	9AKK108466A5165
Mounting Type	DIN-Rail
Mounting Position	Any

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## Popular Downloads

Data Sheet, Technical Information	9AKK108467A1864
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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
Object Classification Code	F
Standards	IEC/EN 61009-1 IEC/EN 61009-2-1

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## Categories

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

