



 PRODUCT-DETAILS

DS202CR M B20 A30

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



General Information

Extended Product Type	DS202CR M B20 A30
Product ID	2CSR772140R1205
EAN	4022903034537
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection DS202CR M - 2P - 30 mA - 20 A - B - 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.

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 _{cu})	10 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	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 ² Flexible 1...25 mm ² Rigid Solid 1...35 mm ²
Rated Cross-Section	1 - Solid-Core 1 ... 35 mm ² 4 - Multi-Wired 1 ... 25 mm ²
Wire Stripping Length	11 mm

Electrical

Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 230 V
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 440 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	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 ₂)	72 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.245 kg
E-Number (Norway)	1629813

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

Installation

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

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

Categories

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

