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 PRODUCT-DETAILS

## DS202CR M B10 APR300

Residual Current Circuit Breaker with  
Overcurrent Protection DS202CR M - 2P - 300  
mA - 10 A - B - Type A APR




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### General Information

<b>Extended Product Type:</b>	DS202CR M B10 APR300
<b>Product ID:</b>	2CSR772440R3105
<b>EAN:</b>	4022903035367
<b>Catalog Description:</b>	Residual Current Circuit Breaker with Overcurrent Protection DS202CR M - 2P - 300 mA - 10 A - B - Type A APR
<b>Long Description:</b>	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.
<b>Display Name:</b>	DS202CR M B10 APR300

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### ABB EcoSolutions

<b>ABB EcoSolutions:</b>	Yes
<b>EcoSolutions Profile:</b>	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 Lifetime:** Product Durability

**Offered with Takeback Services:** Take Back for Recycling

**End Of Life Disassembling Instructions:** 9AKK108469A0544

**Environmental Product Declaration - EPD:** 9AKK108467A5738

## Technical

<b>Type of Residual Current:</b>	Type A APR
<b>Test Voltage (Ut):</b>	Minimum 117 V Maximum 254 V
<b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b>	10 kA
<b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>	7.5 kA
<b>Maximum Surge Current:</b>	3 kA
<b>Power Supply Connection:</b>	Arbitrary
<b>Energy Limiting Class:</b>	3
<b>Electrical Endurance:</b>	10000 operations
<b>Mechanical Endurance:</b>	20000 operations
<b>Number of Protected Poles:</b>	2
<b>Number of Poles:</b>	2P
<b>Fault Indication:</b>	Blue Flag on Window
<b>Operating Characteristic:</b>	10ms Delay (High Immunity)
<b>Position of Neutral Terminals:</b>	Right Left
<b>Tightening Torque:</b>	4 N·m
<b>Accessory Type:</b>	Auxiliary contact Signal contact / auxiliary contact
<b>Earthing Switch Type:</b>	Short-Time Delayed
<b>Accessories Available:</b>	Yes
<b>Number of Batteries:</b>	0
<b>Connecting Capacity:</b>	Busbar 10...10 mm <sup>2</sup> Flexible 1...25 mm <sup>2</sup> Rigid Solid 1...35 mm <sup>2</sup>
<b>Rated Cross-Section:</b>	1 - Solid-Core 1 ... 35 mm <sup>2</sup> 4 - Multi-Wired 1 ... 25 mm <sup>2</sup>
<b>Wire Stripping Length:</b>	11 mm

## Electrical

<b>Tripping Characteristic:</b>	B
<b>Rated Operational Voltage:</b>	acc. to IEC 60898-1 230 V

<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to IEC/EN 60664-1 440 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV
<b>Input Voltage Type:</b>	AC
<b>Rated Current (I<sub>n</sub>):</b>	10 A
<b>Rated Residual Current:</b>	300 mA
<b>Rated Short-Circuit Capacity:</b>	10 kA
<b>Rated Frequency (f):</b>	50 Hz
<b>Power Loss:</b>	Total 3.28 W
<b>Overtoltage Category:</b>	III

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## Material Compliance

<b>RoHS Declaration:</b>	9AKK108466A5162
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
<b>RoHS Date:</b>	20220211
<b>REACH Declaration:</b>	9AKK108467A9482
<b>REACH Information:</b>	True - contains substances > 0.1 mass percentage
<b>REACH Date:</b>	20220525
<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108468A3363
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>WEEE B2C / B2B:</b>	Business To Consumer

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## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... 55 °C
<b>Degree of Protection:</b>	IP20
<b>Pollution Degree:</b>	3
<b>Environmental Conditions:</b>	28 cycle with 55 °C / 90-96 % and 25 °C / 95-100 %

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## Dimensions

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

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## Ordering

<b>Package Level 1 Units:</b>	box 1 piece
<b>Package Level 1 Gross Weight:</b>	0.245 kg
<b>E-Number (Norway):</b>	1629877

## Certificates and Declarations

<b>ABS Certificate:</b>	9AKK108467A7630
<b>Declaration of Conformity - CE:</b>	9AKK108470A7536
<b>IMQ Certificate:</b>	9AKK108467A6462
<b>NF Certificate:</b>	9AKK108467A7737
<b>VDE Certificate:</b>	9AKK108467A7823

## Installation

<b>Instructions and Manuals:</b>	9AKK108466A5165
<b>Mounting Type:</b>	DIN-Rail
<b>Mounting Position:</b>	Any

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	9AKK108467A1864
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## External Classifications and Standards

<b>ETIM 9:</b>	EC000905 - Earth leakage circuit breaker
<b>ETIM 10:</b>	EC000905 - Earth leakage circuit breaker
<b>UNSPSC:</b>	39121601
<b>eClass:</b>	V11.0 : 27142207
<b>Object Classification Code:</b>	F
<b>Standards:</b>	IEC/EN 61009-1 IEC/EN 61009-2-1

## Accessories

Identifier	Description	Qty	Type	Unit Of Measure
2CDS200931R0001	Signal / Auxiliary Contact 1 G2C for S200C		G2C-H6-L+R	piece
2CDS200932R0001	Signal / Auxiliary Contact 1 G2C for S200C		G2C-S/H6-L+R	piece
2CDS200932R0011	Signal / Auxiliary Contact 1 G2C for S200C		G2C-S/H6-L+R-KL	piece

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## Categories

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

