



PRODUCT-DETAILS

DS202CR C16 A30

Residual Current Circuit Breaker with Overcurrent Protection DS202CR - 2P - 30 mA - 16 A - C - Type A



General Information	
Extended Product Type	DS202CR C16 A30
Product ID	2CSR752140R1164
EAN	4022903033714
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection DS202CR - 2P - 30 mA - 16 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.

ABB EcoSolutions	
Environmental Product Declaration - EPD	9AKK108467A5738
Global Warming Potential GWP Total	Total 27.966474 kilograms of carbon dioxide equivalent Manufacturing (Modules A1-A3) 14 kilograms of carbon dioxide equivalent Distribution (Module A4) 1.26 kilograms of carbon dioxide equivalent Installation (Module A5) 0.000504 kilograms of carbon dioxide equivalent Use (Modules B1-B7) 0.00597 kilograms of carbon dioxide equivalent End of Life (Modules C1-C4) 12.7 kilograms of carbon dioxide equivalent

Technical

Type of Residual Current	Type A
Test Voltage (U _t)	150...254 V
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	10 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	6 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	C
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)	16 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Rated Frequency (f)	50 Hz
Power Loss	Total 4.20 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 (Finland)	3217324
E-Number (Norway)	1629926

Certificates and Declarations

ABS Certificate	9AKK108467A7630
Declaration of Conformity - CE	9AKK108470A7536
IMQ Certificate	9AKK108467A6463
NF Certificate	9AKK108467A7736
VDE Certificate	9AKK108467A7823

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

Popular Downloads	
Data Sheet, Technical Information	9AKK108467A1864

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	

