



PRODUCT-DETAILS

DS201 M C25 AC30

Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	DS201 M C25 AC30
Product ID	2CSR275080R1254
EAN	8012542770817
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The DS201 series is a 1P+N RCBO in two-modules width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts.

ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108470A2163
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 75.20 %
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
Sustainable Material Content in Packaging (wt. %)	Recycled Cardboard - 98 % Recycled Paper - 00 % Chemically Recycled Polymer - 00 %
Extended Product Lifetime	Product Durability

End Of Life Disassembling Instructions	9AKK108469A2268
Environmental Product Declaration - EPD	9AKK108468A5756

Technical

Tripping Characteristic	C
Type of Residual Current	Type AC
Rated Operational Voltage	acc. to IEC 60898-1 240 V
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 500 V
Test Voltage (U _t)	170 ... 264 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Dielectric Test Voltage	2 kV
Input Voltage Type	AC
Rated Current (I _n)	25 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	15 kA
Rated Residual Breaking Capacity (I _{Δm})	EN 61009-1 6000 A IEC 61009-1 6000 A
Rated Conditional Short-Circuit Current (I _{nc})	15 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	11.2 kA
Maximum Surge Current	0 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	Average per Pole 4.1 W Phase Pole 5.5 W Neutral Pole 2.6 W Total 8.1 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	1P+N
Number of Modular Spacings per DIN Rail	2
Fault Indication	Blue flag on toggle
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	2.8 N·m
Accessory Type	Auxiliary contact, Signal contact / auxiliary contact, Shunt trip, Auxiliary contact for bottom fitting, Overvoltage release, Motor operating device
Actuator Type	Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Housing Type	Insulation group I - II, RAL 7035
Mounting Type	DIN-Rail
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Mounting Position	Any
Accessories Available	Yes

Number of Batteries	0
Connecting Capacity	Busbar 10 ... 10 mm ² Stranded 0.75 ... 25 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ²
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK106713A5588
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20211115
REACH Declaration	9AKK108467A9482
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240429
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... 55 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 IP40
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 1g or 1mm 50 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	2CSC422002K2701

Dimensions

Width in Number of Modular Spacings	2
Product Net Width	35 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	200 g
Built-In Depth (t ₂)	69 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	225 g

Certificates and Declarations

ABS Certificate	9AKK107991A2823
CB Certificate	9AKK107492A6064 9AKK107492A6065
CCC Certificate	9AKK107492A6069

Declaration of Conformity - CE	9AKK106713A5588
DNV GL Certificate	9AKK107680A3457 9AKK107680A3456
EAC Certificate	9AKK107492A6071 9AKK107991A7755
GOST Certificate	9AKK107992A1640
IMQ Certificate	9AKK107492A6075
ÖVE Certificate	9AKK107492A6086
RMRS Certificate	9AKK107680A3454 9AKK107680A3455

Installation

Instructions and Manuals	9AKK107492A6006
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Popular Downloads

Data Sheet, Technical Information	9AKK107492A6187
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External Classifications and Standards

ETIM 8	EC000905 - Earth leakage circuit breaker
ETIM 9	EC000905 - Earth leakage circuit breaker
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85363030
eClass	V11.0 : 27142207
Object Classification Code	F
Standards	IEC/EN 61009-1, IEC/EN 61009-2-1

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CSS200911R0001	Undervoltage Release	S2C-UA 12 DC	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
2CSS200911R0007	Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0008	Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0009	Undervoltage Release	S2C-UA 110 DC	1	piece
2CSS200911R0010	Undervoltage Release	S2C-UA 230 DC	1	piece
2CDS200912R0001	Auxiliary Contact	S2C-H6R	1	piece
2CDS200922R0001	Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200946R0001	Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200970R0031	Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	Auxiliary Contact	S2C-H10	1	piece
2CSS200910R0005	Overvoltage Release	S2C-OVP1	1	piece
2CSS200933R0011	Shunt trip	F2C-A1	1	piece
2CSS200933R0012	Shunt trip	F2C-A2	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

