



PRODUCT-DETAILS

DS201 B25 A100
DS201 B25 A100 - RCBO



General Information	
Extended Product Type	DS201 B25 A100
Product ID	2CSR255180R2255
EAN	8012542779513
Catalog Description	DS201 B25 A100 - RCBO
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 and direct pulsating 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	Recycled Cardboard - 98 % Recycled Paper - 00 %

(wt. %)	Chemically Recycled Polymer - 00 %
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108469A2268
Environmental Product Declaration - EPD	9AKK108468A5756

Technical

Type of Residual Current	Type A
Test Voltage (Ut)	110 ... 264 V
Dielectric Test Voltage	2 kV
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	10 kA
Rated Residual Breaking Capacity (I _{Δm})	EN 61009-1 6000 A IEC 61009-1 6000 A
Rated Service Short-Circuit Breaking Capacity (I _{cs})	7.5 kA
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
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
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Accessories Available	Yes
Number of Batteries	0
Connecting Capacity	Busbar 10 ... 10 mm² Stranded 0.75 ... 25 mm² Flexible with Ferrule 0.75 ... 16 mm² Flexible 0.75 ... 16 mm²
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

Electrical

Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 240 V

Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Input Voltage Type	AC
Rated Current (I _n)	25 A
Rated Residual Current	100 mA
Rated Short-Circuit Capacity	6 kA
Rated Conditional Short-Circuit Current (I _{nc})	10 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
Overvoltage Category	III

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
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
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

Engineering

EPLAN Data	9AAC554444_EPLAN
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Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	225 g
E-Number (Sweden)	2100393

Certificates and Declarations

ABS Certificate	9AKK107991A2823
CB Certificate	9AKK107492A6060
CCC Certificate	9AKK107492A6067
Declaration of Conformity - CE	9AKK106713A5588
DNV GL Certificate	9AKK107680A3457 9AKK107680A3456
EAC Certificate	9AKK107492A6071 9AKK107991A7755
GOST Certificate	9AKK107992A1640
KEMA Certificate	9AKK107492A6076
ÖVE Certificate	9AKK107492A6085
RMRS Certificate	9AKK107680A3454 9AKK107680A3455
SEV Certificate	9AKK107680A1558 9AKK107680A1560
VDE Certificate	9AKK107492A6092

Installation

Instructions and Manuals	9AKK107492A6006
Mounting Type	DIN-Rail
Mounting Position	Any

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6187
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External Classifications and Standards

ETIM 9	EC000905 - Earth leakage circuit breaker
UNSPSC	39121601

eClass	V11.0 : 27142207
IDEA Granular Category Code (IGCC)	4875 >> Residual current circuit breaker (RCCB)
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
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

