



 PRODUCT-DETAILS

DS201 B13 A30

Residual Current Circuit Breaker with Overcurrent Protection DS201 - 1P+N - 30 mA - 13 A - B - Type A



General Information

Extended Product Type	DS201 B13 A30
Product ID	2CSR255180U1135
EAN	8012542350156
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection DS201 - 1P+N - 30 mA - 13 A - B - Type A
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	Recycled Cardboard - 98 %

Content in Packaging (wt. %)	Recycled Paper - 00 % 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)	Minimum 170 V Maximum 264 V
Dielectric Test Voltage	2 kV
Rated Ultimate Short- Circuit Breaking Capacity (I _{cu})	10 kA
Rated Service Short- Circuit Breaking Capacity (I _{cs})	7.5 kA
Rated Service Short- Circuit Breaking Capacity, in % of I _{cu} (I _{cs})	6 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
Earthing Switch Type	Undelayed
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	Rigid 0.75 ... 25 mm ² Flexible 0.75 ... 16 mm ²
Rated Cross-Section	1 - Solid-Core 0.75 ... 25 mm ² 4 - Multi-Wired 0.75 ... 16 mm ²
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)	13 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	Average per Pole 1.7 W Phase Pole 2.7 W Neutral Pole 0.8 W Total 3.5 W
Overvoltage Category	III

Material Compliance

RoHS Declaration	9AKK106713A5588
RoHS Information	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
SCIP	aaec470a-80b2-496e-97d9-4dc8a918efd4 Italy
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 I _n : 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
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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 48 piece
Package Level 1 Gross Weight	9.860 kg

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
ETIM 10	EC000905 - Earth leakage circuit breaker
eClass	V11.0 : 27142207
Object Classification Code	F
Standards	IEC 61009-1:EN 61009-1 IEC 61009-2-1

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CSS200911R0001	S2C-UA 12 DC Undervoltage release	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage release	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage release	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage release	S2C-UA 230 DC	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	1	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary contact 2NO	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 2NC	S2C-H6-02R	1	piece
2CDS200970R0031	S2C-H01 Bottom-fitting auxiliary contact 1NO S2C-H01 Bottom-fitting auxiliary contact 1NC	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Bottom-fitting auxiliary contact 1NO	S2C-H10	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200993R0005	S2C-OVP2 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

