



 PRODUCT-DETAILS

DS201 B10 A30 UL

Residual Current Circuit Breaker with Overcurrent Protection DS201 UL - 1P+N - 30 mA - 10 A - B - Type A



General Information

Extended Product Type	DS201 B10 A30 UL
Product ID	2CSR255187R1105
EAN	8012542219439
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection DS201 UL - 1P+N - 30 mA - 10 A - B - Type A
Long Description	DS201 UL 1P+N RCBO is a device that in two modules width is able to provide complete protection against overcurrent (overload and shortcircuit) and earth fault. DS201 UL are approved according to UL 1053 standard "Ground- Fault Sensing and Relaying Equipment" and UL 1077 "standard for Supplementary Protectors for Use in Electrical Equipment, making them suitable for installation in equipments/ machines addressed to North American market.

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

Type of Residual Current	Type A
Test Voltage (U _t)	Minimum 110 V Maximum 277 V
Dielectric Test Voltage	2 kV
Rated Current Sensitivity	0.03 A
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	6 kA
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
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Accessories Available	Yes
Number of Batteries	0
Connecting Capacity	Busbar 10 ... 10 mm ² Rigid 25 ... 25 mm ² Flexible 25 ... 25 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	acc. to IEC/EN 60664-1 500 V

(U _i)	
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Input Voltage Type	AC
Rated Current (I _n)	10 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	Average per Pole 1.2 W Phase Pole 1.8 W Neutral Pole 0.5 W Total 2.3 W
Overvoltage Category	III

Material Compliance

RoHS Declaration	9AKK108467A3939
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20220727
REACH Declaration	9AKK108467A9482
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240429
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
SCIP	dbc865d7-8c18-4cab-b947-8fd554f6d923 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 In: 1g or 1mm 50 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms

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
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Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.225 kg

Certificates and Declarations

Declaration of Conformity - CE	9AKK108467A3939
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Installation

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

Popular Downloads

Data Sheet, Technical Information	9AKK108467A7072
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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	Q
Standards	IEC 61009-1 IEC 61009-2-1 UL 1053 UL 1077 CSA C22.2 NO. 235

Categories

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

