



PRODUCT-DETAILS

DS201 K16 A30

Residual Current Circuit Breaker with Overcurrent Protection



概要信息	
产品型号	DS201 K16 A30
产品ID	2CSR255180R1167
欧洲商品编号(EAN)	8012542564119
目录说明	Residual Current Circuit Breaker with Overcurrent Protection
详细描述	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	是
EcoSolutions Profile	9AKK108470A2163
根据EN45555标准的产品可回收率（%）	Design for Closing Resource Loops - Standard EN45555 - 75.20 %
在ABB工厂生产，该工厂已达到集团垃圾填埋目标（工厂名称）	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
包装中的可持续材料含量	Recycled Cardboard - 98 %

(重量%)	Recycled Paper - 00 % Chemically Recycled Polymer - 00 %
延长产品使用寿命	Product Durability
产品寿命终止后的拆解指南	9AKK108469A2268
产品环境声明 - EPD	9AKK108468A5756

技术参数	
标准	IEC/EN 61009-1, IEC/EN 61009-2-1
脱扣特性	K
剩余电流动作特性	Type A
额定工作电压	acc. to IEC 60898-1 240 V
额定绝缘电压 (U _i)	acc. to IEC/EN 60664-1 500 V
Test Voltage (U _t)	170 ... 264 V
额定冲击耐受电压 (U _{imp})	4 kV
介电试验电压	2 kV
输入电压类型	AC
额定电流 (I _n)	16 A
额定剩余电流	30 mA
额定短路容量	6 kA
额定极限短路分断容量 (I _{cu})	10 kA
Rated Residual Breaking Capacity (I _{Δm})	EN 61009-1 6000 A IEC 61009-1 6000 A
额定限制短路电流 (I _{nc})	10 kA
额定服务短路分断容量 (I _{cs})	7.5 kA
额定频率 (f)	50 ... 60 Hz
功率损耗	Average per Pole 2.3 W Phase Pole 3.4 W Neutral Pole 1.2 W Total 4.5 W
进线方式	Arbitrary
触头位置指示	Red ON / Green OFF
限能等级	3
电气耐久性	10000 cycle
机械寿命	20000 cycle
保护极数	1
极数	2P
Number of Modular Spacings per DIN Rail	2
Fault Indication	Blue flag on toggle
动作特性	Instantaneous
过电压类别	III
中性端子位置	Right
拧紧力矩	2.8 N·m
配件类型	Auxiliary contact, Signal contact / auxiliary contact, Shunt trip, Auxiliary contact for bottom fitting, Overvoltage release, Motor operating device
驱动器类型	Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions
壳体类型	Insulation group I - II, RAL 7035
安装类型	DIN-Rail
螺钉端子类型	Failsafe Bi-directional Cylinder-lift Terminal
安装位置	Any
Accessories Available	是

Number of Batteries	0
连接容量	Busbar 10 ... 10 mm Stranded 0.75 ... 25 mm Flexible with Ferrule 0.75 ... 16 mm Flexible 0.75 ... 16 mm
剥线长度	12 mm
端子类型	Screw Terminals

Material Compliance

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

环境条件

周围环境温度	Operation -25 ... 55 °C
编号周围空气温度	20 °C
防护等级	IP20 IP40
污染等级	2
环境条件	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
耐振动符合IEC 60068-2-6标准	20 Cycles with Load 0.8 In: 1g or 1mm 50 ... 150 ... 5 Hz
抗机械冲击符合IEC 60068-2-27标准	25g 2 shocks 13 ms
环境信息	2CSC422002K2701

尺寸

宽度(模块化垫片数)	2
产品净宽	35 mm
产品净高	85 mm
产品净深	69 mm
产品净重	200 g
内深 (t ₂)	69 mm

订货信息

1级包装单元	box 1 piece
1级包装 总重	225 g
E-Number (Finland)	3211182
E-Number (Sweden)	2100538

认证及声明（文件编码）

CB认证	9AKK107492A6060
符合性声明 - CE	9AKK106713A5588
IVE认证	9AKK107492A6085

Installation

说明书和手册	9AKK107492A6006
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Popular Downloads

数据手册, 技术资料	9AKK107492A6187
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分类

ETIM 8	EC000905 - Earth leakage circuit breaker
ETIM 9	EC000905 - Earth leakage circuit breaker
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85363010
UNSPSC	39121601
e级	V11.0 : 27142207
IDEA 粒度分类代码 (IGCC)	4875 >> Residual current circuit breaker (RCCB)
对象分类代码	F

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

分类

低压产品及系统 → 线路保护产品 → 剩余电流装置 → 带过载保护的剩余电流动作断路器

