



PRODUCT-DETAILS

S203-K50NA

Miniature Circuit Breaker - 3P+N - K - 50 A



概要信息	
产品型号	S203-K50NA
产品ID	2CDS253103R0577
欧洲商品编号(EAN)	4016779551205
目录说明	Miniature Circuit Breaker - 3P+N - K - 50 A
详细描述	System pro M compact S200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

ABB EcoSolutions	
ABB EcoSolutions	是
EcoSolutions Profile	9AKK108469A3796
根据EN45555标准的产品可回收率 (%)	Design for Closing Resource Loops - Standard EN45555 - 87.8 %

延长产品使用寿命	Product Durability
产品寿命终止后的拆解指南	9AKK108468A3132
产品环境声明 - EPD	9AKK108467A7832

技术参数

标准	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
脱扣特性	K
额定工作电压	acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V acc. to IEC 60947-2 440 V AC
操作电压	Maximum (Incl. Tolerance) 440 V AC
额定绝缘电压 (U _i)	acc. to IEC/EN 60664-1 440 V
额定冲击耐受电压 (U _{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
介电试验电压	50/60 Hz-1 min: 2 kV
输入电压类型	AC
额定电流 (I _n)	50 A
额定短路容量	(AC) 6 kA (DC) 6 kA (400 V AC) 6 kA (400 V) 6 kA
额定极限短路分断容量 (I _{cu})	(230 V AC) 20 kA (400 V AC) 10 kA (440 V AC) 10 kA (230 V) 20 kA (400 V) 10 kA
额定限制短路电流 (I _{nc})	(230 V) 20 kA (400 V) 10 kA
额定服务短路分断容量 (I _{cs})	(230 V AC) 15 kA (400 V AC) 7.5 kA (440 V AC) 7.5 kA
频率 (f)	50 Hz
额定频率 (f)	50 / 60 Hz
功率损耗	12.4 W at Rated Operating Conditions per Pole 3.1 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 AC cycle
机械寿命	20000 cycle
保护极数	3
极数	3P+N
过电压类别	III
中性端子位置	Right
拧紧力矩	2.8 N·m
安装类型	DIN-Rail
螺钉端子类型	Failsafe Bi-directional Cylinder-lift Terminal
驱动器标记	I / O
驱动器材料	Insulation Group II, Black, Sealable
壳体材料	Insulation Group II, RAL 7035
安装到DIN导轨上	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
安装位置	any

推荐的螺丝刀	Pozidriv 2
Accessories Available	是
连接容量	Busbar 10 / 10 mm□ Flexible with Ferrule 0.75 ... 25 mm□ Flexible 0.75 ... 25 mm□ Rigid 0.75 ... 35 mm□ Rigid 0.75 ... 35 mm□ Stranded 0.75 ... 35 mm□
安装孔尺寸	acc. to DIN 43880 1
剥线长度	12.5 mm
端子类型	Screw Terminals

Material Compliance

RoHS信息	2CDK403001D0607
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS日期	0335
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

环境条件

周围环境温度	Operation -25 ... +55 °C Storage -40 ... +70 °C
防护等级	IP20 IP40 Enclosure with Cover IP40
污染等级	3
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: 5g 5 ... 150 ... 5 Hz
抗机械冲击符合IEC 60068-2-27标准	25g 2 shocks 13 ms

UL/CSA适用的技术参数

最高工作电压UL/CSA	110 V DC 480Y / 277 V AC
中断额定值符合UL1077标准	(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA
连接容量UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
拧紧力矩UL/CSA	18 in-lb

尺寸

宽度(模块化垫片数)	4.0
产品净宽	70 mm
产品净高	88 mm

产品净深	69 mm
产品净重	0.5 kg
极点净重	0.125 kg
内深 (t ₂)	69 mm
尺寸图	2CDC022007F0010

订货信息

1级包装单元	carton 1 piece
1级包装 总重	0.51 kg
E-Number (Finland)	3210937
E-Number (Norway)	1665494

认证及声明（文件编码）

符合性声明 - CE	2CDK403001D0607
Declaration of Conformity - UKCA	9AKK108467A5053
IEC Characteristic	9AKK107992A5103
认证机构	EN IEC UL

Installation

说明书和手册	2CDS207104P0002
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Popular Downloads

数据手册，技术资料	9AKK107991A8329
IEC Characteristic	9AKK107992A5103

分类

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
e级	V11.0 : 27141901
IDEA 粒度分类代码 (IGCC)	4897 >> Miniature circuit breakers
对象分类代码	F

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	Auxiliary Contact	S2C-H6R	1	piece
2CDS200970R0031	Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	Auxiliary Contact	S2C-H02L	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
2CDS200909R0001	Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	Shunt Trip	S2C-A2	1	piece
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
GHS2001901R0003	Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	Plug-in base	S2C-EST	1	piece
2CDS200918R0001	Hand Operated Neutral	S2C-NT	1	piece
2CCA880100R0001	Sensor	CMS-100PS	1	piece
2CCA880101R0001	Sensor	CMS-101PS	1	piece
2CCA880102R0001	Sensor	CMS-102PS	1	piece

分类

低压产品及系统 → 线路保护产品 → Miniature Circuit Breakers MCBs → 微型断路器

