



PRODUCT-DETAILS

S402M-K4

Miniature Circuit Breaker



概要信息	
产品型号	S402M-K4
产品ID	2CCS572001R0337
欧洲商品编号(EAN)	7612270102426
目录说明	Miniature Circuit Breaker
详细描述	SMISLINE TP S400M are a current limiting miniature circuit breakers. 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), configurations (1P,1P+N,2P,3P,3P+N), breaking capacities (up to 10 kA at 240/415 V AC) and rated currents (up to 63A). MCBs of the product range S400M are comply with IEC/EN 60898 -1 for B,C and D characteristic and IEC/EN 60947-2 for C and K characteristic. The pluggable solution is only for the SMISLINE TP System, allowing the use for commercial, industrial, and critical power applications.

ABB EcoSolutions	
ABB EcoSolutions	是
根据EN45555标准的产品可回收率 (%)	Design for Closing Resource Loops - Standard EN45555 - 58.6323356825684 %
Circular Design	9AKK108469A6507

Principles Ecodesign	
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
包装中的可持续材料含量（重量%）	Recycled Cardboard - 18.1 % Recycled Cardboard - 67.7 % Chemically Recycled Polymer - 0.0 %
延长产品使用寿命	Product Durability
产品寿命终止后的拆解指南	9AKK108469A6908
产品环境声明 - EPD	9AKK108469A5735

技术参数

标准	IEC/EN 60947-2
脱扣特性	K
额定工作电压	acc. to IEC 60898-1 415 V
操作电压	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC Minimum 12 V DC
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
输入电压类型	AC
额定电流 (I _N)	4 A
额定工作电流 (I _e)	4 A
额定短路容量	(230 V) 10 kA (400 V) 10 kA
额定极限短路分断容量 (I _{cu})	(230 V) 25 kA (400 V) 25 kA
额定短路接通容量 (I _{cm})	(440 V AC) 30 kA (415 V AC) 52.2 kA
额定服务短路分断容量 (I _{cs})	(240 V AC) 15 kA (415 V AC) 15 kA (440 V AC) 7.5 kA
额定运行短路分断能力, 以I _{cu} 的%表示 (I _{cs})	50 %
频率 (f)	50 ... 60 Hz
额定频率 (f)	50 ... 60 Hz
功率损耗	2.8 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	10000 cycle
保护极数	2
极数	2P
过电压类别	III
拧紧力矩	2.8 N·m
脱扣器类型	K
螺钉端子类型	Failsafe Bi-directional Cylinder-lift Terminal
驱动器标记	I / O
安装位置	Any
推荐的螺丝刀	Pozidriv 2
Accessories Available	是
连接容量	Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ²

端子类型	Screw Terminals
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Material Compliance

RoHS信息	9AKK107991A9634
RoHS状态	Following EU Directive 2002/95/EC August 18, 2005 and amendment
RoHS日期	20170426
REACH Declaration	9AKK108467A9561
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20230417
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

环境条件

周围环境温度	Operation -25 ... 60 °C
编号周围空气温度	40 °C
防护等级	IP20
污染等级	3
耐振动符合IEC 60068-2-6标准	1 mm 2 ... 13.2 Hz
环境信息	9AKK108467A9561

尺寸

宽度(模块化垫片数)	2
产品净宽	36 mm
产品净高	91 mm
产品净深	75 mm
产品净重	221 g
内深 (t ₂)	75 mm
尺寸图	9AKK107492A6192

订货信息

1级包装单元	carton 5 piece
1级包装 总重	1170 g
E-Number (Norway)	1623340
E-Number (Switzerland)	809245807

认证及声明（文件编码）

符合性声明 - CE	9AKK107991A9634
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Installation

说明书和手册	2CCC451019M0109
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Popular Downloads	
数据手册, 技术资料	9AKK107492A6192

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	85362020
e级	V11.0 : 27141901
对象分类代码	FC

Accessories				
Identifier	Description	Type	Quantity	Unit Of Measure
2CCS500900R0081	HK40011-L	Auxiliary swtich	1	piece
2CCS500900R0214	HK40011-R	Auxiliary swtich	1	piece
2CCF201112R0001	HK40020-L	Auxiliary swtich	1	piece
2CCF201114R0001	HK40002-L	Auxiliary swtich	1	piece
2CCF201113R0001	HK40020-R	Auxiliary swtich	1	piece
2CCF201115R0001	HK40002-R	Auxiliary swtich	1	piece
2CCS500900R0101	SK40011-L Signal contact		1	piece
2CCS500900R0215	SK40011-R Signal contact		1	piece
2CCF201162R0001	SK40020-L Signal contact		1	piece
2CCF201164R0001	SK40002-L Signal contact		1	piece
2CCF201163R0001	SK40020-R Signal contact		1	piece
2CCF201165R0001	SK40002-R Signal contact		1	piece
2CCS500900R0141	SK40010-LSA Signal contact		1	piece
2CCF201212R0001	HK40010-LSA	Auxiliary swtich	1	piece
2CCS500900R0216	SK40010-RSA Signal contact		1	piece
2CCF201213R0001	HK40010-RSA	Auxiliary swtich	1	piece
2CCS500900R0161	ZLS931	Spare parts	1	piece
2CCS500900R0021	NT40163	Neutral disconnect terminal block	1	piece
2CCS500900R0011	NT40263	Neutral disconnect terminal block	1	piece
2CDS200909R0001	S2C-A1	Shunt Trip	1	piece
2CDS200909R0002	S2C-A2	Shunt Trip	1	piece
2CCA880212R0001	CMS-122PS	Sensor	2	piece
2CCA880102R0001	CMS-102PS	Sensor	2	piece

分类

低压产品及系统 → 线路保护产品 → Plug-in Distribution Systems → 插入式配电系统 → Miniature Circuit Breakers MCBs

