

PRODUCT-DETAILS

# S402M-K1

## S402M-K1 Miniature Circuit Breaker



### Informations générales

Extension du type de produit	S402M-K1
Code de produit	2CCS572001R0217
EAN	7612270102389
Description courte	S402M-K1 Miniature Circuit Breaker

Description longue

SMISSLINE 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 SMISSLINE TP System, allowing the use for commercial, industrial, and critical power applications.

### Technique

Normes et standards	IEC/EN 60947-2
Tripping Characteristic	K
Tension	acc. to IEC 60898-1 240 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC Minimum 12 V DC

Tension assignée d'isolement ( $U_i$ )	acc. to IEC/EN 60664-1 440 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	4 kV
Type de tension	AC
Courant nominal ( $I_n$ )	1 A
Courant nominal de fonctionnement ( $I_e$ )	1 A
Rated Short-Circuit Capacity	(230 V) 10 kA (400 V) 10 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	(230 V) 25 kA (400 V) 25 kA
Rated Short-Circuit Making Capacity ( $I_{cm}$ )	(440 V AC) 30 kA (415 V AC) 52.2 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	(240 V AC) 15 kA (415 V AC) 15 kA (440 V AC) 7.5 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	50 %
Fréquence (f)	50 ... 60 Hz
Fréquence assignée (f)	50 ... 60 Hz
Power Loss	2.6 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	10000 cycle
Mechanical Endurance	10000 cycle
Number of Protected Poles	2
Nombre de pôles	2
Catégorie de Surtension	III
Couple de serrage	2.8 N·m
Type de libération	K
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Type d'encastrement	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Oui
Connecting Capacity	Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup>
Type de borne	Screw Terminals

## Environnement

Température de l'air Operation -25 ... 60 °C

ambiant

Reference Ambient Air Temperature 40 °C

Indice de protection IP20

Degré de pollution 3

Resistance to Vibrations acc. to IEC 60068-2-6 2...13.2 Hz/1 mm  
13.2...100Hz/0.7 g, 5 cycles  
5...150 ... 5 Hz/1 g, 4 waves

Statut RoHS Following EU Directive 2002/95/EC August 18, 2005 and amendment

Informations RoHS 9AKK107991A9634

Informations environnementales 9AKK108467A9561

Conflict Minerals Reporting Template (CMRT) 9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings 2

Produit Largeur Net 36 mm

Produit Hauteur Net 91 mm

Produit Longueur Net 75 mm

Poids net 221 g

Taille 2 modules

Profondeur d'encastrement (t<sub>2</sub>) 75 mm

Schéma dimensionnel 9AKK107492A6192

## Commande

Emballage Niveau 1 Unités carton 5 pièce

Emballage Niveau 1 Poids 1170 g

E-Number (Switzerland) 809240807

## Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE 9AKK107991A9634

## Installation

Instructions et manuels 2CCC451019M0109

## Downloads Préférés

Fiche produit, informations techniques 9AKK107492A6192

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**Classifications**

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ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
eClass	V11.0 : 27141901
Code de classification d'objet	FC

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**Accessories**

Identifier	Description	Type	Quantity	Unit Of Measure
2CCS500900R0081	HK40011-L	HK40011-L Auxiliary switch	1	piece
2CCS500900R0214	HK40011-R	HK40011-R Auxiliary switch	1	piece
2CCF201112R0001	HK40020-L	HK40020-L Auxiliary switch	1	piece
2CCF201114R0001	HK40002-L	HK40002-L Auxiliary switch	1	piece
2CCF201113R0001	HK40020-R	HK40020-R Auxiliary switch	1	piece
2CCF201115R0001	HK40002-R	HK40002-R Auxiliary switch	1	piece
2CCS500900R0101	SK40011-L	SK40011-L Signal contact	1	piece
2CCS500900R0215	SK40011-R	SK40011-R Signal contact	1	piece
2CCF201162R0001	SK40020-L	SK40020-L Signal contact	1	piece
2CCF201164R0001	SK40002-L	SK40002-L Signal contact	1	piece
2CCF201163R0001	SK40020-R	SK40020-R Signal contact	1	piece
2CCF201165R0001	SK40002-R	SK40002-R Signal contact	1	piece
2CCS500900R0141	SK40010-LSA	SK40010-LSA Signal contact	1	piece
2CCF201212R0001	HK40010-LSA	HK400 10-L SA Auxiliary switch	1	piece
2CCS500900R0216	SK40010-RSA	SK40010-RSA Signal contact	1	piece
2CCF201213R0001	HK40010-RSA	HK400 10-R SA Auxiliary switch	1	piece
2CCS500900R0161	ZLS931	ZLS931 Spare parts	1	piece
2CCS500900R0021	NT40163	NT401-63 Neutral disconnect terminal block	1	piece
2CCS500900R0011	NT40263	NT402-63 Neutral disconnect terminal block	1	piece
2CDS200909R0001	S2C-A1	S2C-A1 Shunt Trip	1	piece
2CDS200909R0002	S2C-A2	S2C-A2 Shunt Trip	1	piece
2CCA880212R0001	CMS-122PS	CMS-122PS Sensor	2	piece
2CCA880102R0001	CMS-102PS	CMS-102PS Sensor	2	piece

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## Catégories

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Produits basse tension → Appareillage modulaire et parafoudres → Plug-in Distribution Systems → Système Smisline → Miniature Circuit Breakers MCBs

