

PRODUCT-DETAILS

# S401M-C20

## S401M-C20 Miniature Circuit Breaker



### Informations générales

Extension du type de produit	S401M-C20
Code de produit	2CCS571001R0204
EAN	7612270101436
Description courte	S401M-C20 Miniature Circuit Breaker
Description longue	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.

### Technique

Normes et standards	IEC/EN 60898-1 IEC/EN 60947-2
Tripping Characteristic	C
Tension	acc. to IEC 60898-1 240 V
Operational Voltage	Maximum (Incl. Tolerance) 254 V AC Minimum 12 V AC Minimum 12 V DC
Tension assignée d'isolement (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V

Tension assignée de tenue aux chocs ( $U_{imp}$ )	4 kV
Type de tension	AC
Courant nominal ( $I_n$ )	20 A
Courant nominal de fonctionnement ( $I_e$ )	20 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) 15 kA (400 V) 15 kA
Rated Short-Circuit Making Capacity ( $I_{cm}$ )	(240 V AC) 30 kA (254 V AC) 9 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	(240 V AC) 7.5 kA (254 V AC) 3 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 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	1
Nombre de pôles	1
Catégorie de Surtension	III
Couple de serrage	2.8 N·m
Type de libération	C
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 ambiant	Operation -25 ... 60 °C
Reference Ambient Air Temperature	30 °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	1
Produit Largeur Net	18 mm
Produit Hauteur Net	91 mm
Produit Longueur Net	82 mm
Poids net	110 g
Taille	1 module
Profondeur d'encastrement (t <sub>2</sub> )	75 mm
Schéma dimensionnel	9AKK107492A6192

## Commande

Emballage Niveau 1 Unités	carton 10 pièce
Emballage Niveau 1 Poids	1165 g
E-Number (Switzerland)	809120807

## Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE	9AKK107991A9634
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## Installation

Instructions et manuels	2CCC451019M0109
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## Downloads Préférés

Fiche produit, informations techniques	9AKK107492A6192
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## Classifications

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

## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCS500900R0081	HK40011-L Auxiliary swtich	HK40011-L	1	piece
2CCS500900R0214	HK40011-R Auxiliary swtich	HK40011-R	1	piece
2CCF201112R0001	HK40020-L Auxiliary swtich	HK40020-L	1	piece
2CCF201114R0001	HK4002-L Auxiliary swtich	HK4002-L	1	piece
2CCF201113R0001	HK40020-R Auxiliary swtich	HK40020-R	1	piece
2CCF201115R0001	HK4002-R Auxiliary swtich	HK4002-R	1	piece
2CCS500900R0101	SK40011-L Signal contact	SK40011-L	1	piece
2CCS500900R0215	SK40011-R Signal contact	SK40011-R	1	piece
2CCF201162R0001	SK40020-L Signal contact	SK40020-L	1	piece
2CCF201164R0001	SK4002-L Signal contact	SK4002-L	1	piece
2CCF201163R0001	SK40020-R Signal contact	SK40020-R	1	piece
2CCF201165R0001	SK4002-R Signal contact	SK4002-R	1	piece
2CCS500900R0141	SK40010-LSA Signal contact	SK40010-LSA	1	piece
2CCF201212R0001	HK400 10-L SA Auxiliary swtich	HK40010-LSA	1	piece
2CCS500900R0216	SK40010-RSA Signal contact	SK40010-RSA	1	piece
2CCF201213R0001	HK400 10-R SA Auxiliary swtich	HK40010-RSA	1	piece
2CCS500900R0161	ZLS931 Spare parts	ZLS931	1	piece
2CCS500900R0021	NT401-63 Neutral disconnect terminal block	NT40163	1	piece
2CCS500900R0011	NT402-63 Neutral disconnect terminal block	NT40263	1	piece
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	1	piece
2CCA880212R0001	CMS-122PS Sensor	CMS-122PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

## Catégories

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

