

PRODUCT-DETAILS

# S803S-K50

## S803S-K50 High Performance MCB



### Informations générales

Extension du type de produit	S803S-K50
Code de produit	2CCS863001R0577
EAN	7612271201753
Description courte	S803S-K50 High Performance MCB

Description longue	<p>The S803S-K50 is a 3-pole High Performance Circuit breaker with K-Characteristic, with cage terminal and a rated current of 50 A. It is a current limiting device with a maximum breaking capacity of 50kA at 240/415V. It can be used for voltages up to 400/690V and in DC as well. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803S-K50 complies with IEC/EN 60898-1 and IEC/EN 60947-2 and allows the use for residential, commercial and industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S803S-K50 more comfortable. Due to the fast arc extinction of S803S-K50 your application will be secured.</p>
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### Technique

Normes et standards	IEC/EN 60947-2, IEC/EN 60898-1, UL 1077
Tripping Characteristic	K
Type of Residual Current	standard version
Tension nominale ( $U_r$ )	acc. to IEC 60947-2 690 V AC acc. to IEC 60947-2 375 V DC

	acc. to IEC 60898-1 400 V AC
Tension	acc. to IEC 60898-1 400 V
Tension assignée d'isolement ( $U_i$ )	acc. to IEC/EN 60664-1 690 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	8 kV
Type de tension	AC/DC
Courant nominal ( $I_n$ )	50 A
Courant nominal de fonctionnement ( $I_e$ )	50 A
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	(690 V) 50 kA (690 V) 415V/6 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 50 kA (400 V) 50 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	(240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA
Fréquence (f)	50 ... 60 Hz
Fréquence assignée (f)	50/60 Hz
Power Loss	19.2 W at Rated Operating Conditions per Pole 6.4 W
Contact Position Indication	ON / OFF / TRIP
Classe de limitation d'énergie	3
Electrical Endurance	6000 cycle
Mechanical Endurance	6000 cycle
Number of Protected Poles	3
Nombre de pôles	3
Catégorie de Surtension	IV
Couple de serrage	3.5 N·m 31 in·lb
Type de libération	K
Actuator Marking	I / O
Qualité du matériau	Insulation group I, RAL 7035
Montage sur rail DIN	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
Type d'encastrement	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Oui
Remarques	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Connecting Capacity	Flexible 0 ... 50 mm <sup>2</sup> Rigid 0 ... 70 mm <sup>2</sup>
Type de borne	Screw Terminals

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**Environnement**


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Température extérieure	-25...60 °C
Température de l'air ambiant	Operation -25 ... 60 °C
Reference Ambient Air Temperature	acc. to IEC60947-2 40 °C acc. to EN60898-1 40 °C
Indice de protection	IP20
Degré de pollution	3
Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le
Statut RoHS	Following EU Directive 2011/65/EU
Informations RoHS	9AKK107680A3903 2CCC005083D0202
Informations environnementales	2CCY413207D0203
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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**Technique UL/CSA**


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Interrupting Rating acc. to UL1077	(480Y / 277 V AC) 14 kA (600Y / 347 V AC) 6 kA
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**Dimensions**


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Width in Number of Modular Spacings	4.5
Produit Largeur Net	81 mm
Produit Hauteur Net	95 mm
Produit Longueur Net	82.5 mm
Poids net	735 g
Taille	3 modules
Profondeur d'encastrement (t <sub>2</sub> )	82.5 mm
Schéma dimensionnel	2CCC413003C0201

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**Commande**


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Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	770 g
E-Number (Finland)	3212352
E-Number (Sweden)	2101607
E-Number (Switzerland)	807884315

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**Certificats et Déclarations (Numéro de document)**


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Déclaration de Conformité	2CCC005083D0202
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## Installation

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Instructions et manuels

2CCC413016M0008

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## Downloads Préférés

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Fiche produit, informations  
techniques

2CCC413003C0208

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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
UNSPSC	39121603
eClass	V11.0 : 27141901
Code de catégorie granulaire IDEA (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Code de classification d'objet	F

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## Catégories

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Produits basse tension → Appareillage modulaire et parafoudres → High Performance Circuit Breakers HPCBs → Disjoncteurs ≤125A S800/S500



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