

PRODUCT-DETAILS

S801C-K80

S801C-K80 High Performance MCB



Informations générales

Extension du type de produit	S801C-K80
Code de produit	2CCS881001R0627
EAN	7612271213640
Description courte	S801C-K80 High Performance MCB
Description longue	<p>The S801C-K80 is a 1-pole High Performance Circuit breaker with K-Characteristic, with cage terminal and a rated current of 80 A. It is a current limiting device with a maximum breaking capacity of 25kA at 240/415V. It can be used for voltages up to 254/440V 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 S801C-K80 complies with IEC/EN 60898-1 and IEC/EN 60947-2 and allows the use for industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S801C-K80 more comfortable. Due to the fast arc extinction of S801C-K80 your application will be secured.</p>

Technique

Normes et standards	IEC/EN 60947-2, IEC/EN 60898-1, UL 1077
Tripping Characteristic	K
Tension nominale (U _n)	acc. to IEC 60947-2 254 V AC acc. to IEC 60947-2 125 V DC acc. to IEC 60898-1 230/400 V AC
Tension	acc. to IEC 60898-1 230 V
Operational Voltage	Maximum 230/400 V AC Minimum 12 V AC
Tension assignée	acc. to IEC/EN 60664-1 500 V

d'isolement (U _i)	
Tension assignée de tenue aux chocs (U _{imp})	8 kV
Type de tension	AC/DC
Courant nominal (I _n)	80 A
Courant nominal de fonctionnement (I _e)	80 A
Rated Short-Circuit Capacity	(230 V) 15 kA (400 V) 15 kA
Pouvoir assigné de coupure ultime en court-circuit (I _{cu})	(230 V) 25 kA (400 V) 25 kA
Rated Conditional Short-Circuit Current (I _{nc})	(230 V) 25 kA (400 V) 25 kA
Pouvoir assigné de coupure de service en court-circuit (I _{cs})	(240 / 415 V AC) 18 kA (254 / 440 V AC) 10 kA (125 V DC) 10 kA
Fréquence (f)	50 / 60 Hz
Fréquence assignée (f)	50/60 Hz
Power Loss	6.4 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	4000 cycle
Nombre de pôles	1
Number of Protected Poles	1
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 ² Rigid 0 ... 70 mm ²
Type de borne	Screw Terminals

Environnement

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
Résistance aux chocs selon CEI 60068-2-27	5 g 30 ms
Statut RoHS	Following EU Directive 2011/65/EU
Informations RoHS	9AKK107680A3903 2CCC005083D0202
Informations environnementales	2CCY413207D0203
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Technique UL/CSA

Interrupting Rating acc. to UL1077	(240 V AC) 20 kA (347 V AC) 10 kA (125 V DC) 10 kA
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Dimensions

Width in Number of Modular Spacings	1.5
Produit Largeur Net	27 mm
Produit Hauteur Net	95 mm
Produit Longueur Net	82.5 mm
Poids net	245 g
Profondeur d'encastrement (t ₂)	82.5 mm
Schéma dimensionnel	2CCC413003C0201

Commande

Quantité minimum	1 pièce
Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	270 g

Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE	2CCC005083D0202
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Installation

Instructions et manuels	2CCC413016M0008
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Popular Downloads

Fiche produit, informations techniques	2CCC413003C0208
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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)
DEEE B2C / B2B	Business To Business
CN8	85362020
eClass	V11.0 : 27141901
Code de classification d'objet	F

Catégories

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

