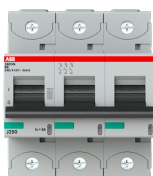


PRODUCT-DETAILS

# S803N-B8

## S803N-B8 High Performance MCB



### Informations générales

Extension du type de produit	S803N-B8
Code de produit	2CCS893001R0085
EAN	7612271411664
Description courte	S803N-B8 High Performance MCB

Description longue	<p>The S803N-B8 is a 3-pole High Performance Circuit breaker with B-characteristic, with cage terminal and a rated current of 8 A. It is a current limiting device with a maximum breaking capacity of 36kA at 240/415V. It can be used for voltages up to 400/690V and in DC as well.</p> <p>It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803N-B8 complies with 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 S803N-B8 more comfortable. Due to the fast arc extinction of S803N-B8 your application will be secured.</p>
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### Technique

Normes et standards	IEC/EN 60947-2, IEC/EN 60898-1
Tripping Characteristic	B
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 ( $I_n$ )	8 A
Courant nominal de fonctionnement ( $I_e$ )	8 A
Rated Short-Circuit Capacity	(230 V) 20 kA (400 V) 20 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	(690 V) 36 kA (690 V) 415V  4.5 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 36 kA (400 V) 36 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	(240 / 415 V AC) 30 kA (254 / 440 V AC) 15 kA (400 / 690 V AC) 3 kA (125 V DC) 20 kA
Fréquence (f)	50...60 Hz
Fréquence assignée (f)	50/60 Hz
Power Loss	5.1 W at Rated Operating Conditions per Pole 1.7 W
Contact Position Indication	ON / OFF / TRIP
Classe de limitation d'énergie	3
Electrical Endurance	10000 cycle
Mechanical Endurance	10000 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	B
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 30 °C acc. to EN60898-1 30 °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

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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
Profondeur d'encastrement (t <sub>2</sub> )	82.5 mm

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## Commande

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Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	770 g

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## Certificats et Déclarations (Numéro de document)

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Déclaration de Conformité - CE	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

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	F

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## Catégories

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

