

PRODUCT-DETAILS

# S801S-B6

## S801S-B6 High Performance MCB



### Informations générales

|                              |  |
|------------------------------|--|
| Extension du type de produit | S801S-B6   |
| Code de produit              | 2CCS861001R0065  |
| EAN                          | 7612271408107  |
| Description courte           | S801S-B6 High Performance MCB  |
| Description longue           | <p>The S801S-B6 is a 1-pole High Performance Circuit breaker with B-characteristic, with cage terminal and a rated current of 6 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 S801S-B6 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 S801S-B6 more comfortable. Due to the fast arc extinction of S801S-B6 your application will be secured.</p> |

### Technique

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|--|--|
| Normes et standards                    | IEC/EN 60947-2, IEC/EN 60898-1, UL 1077  |
| Tripping Characteristic                | B  |
| Tension nominale ( $U_n$ )             | acc. to IEC 60947-2 400 V AC<br>acc. to IEC 60947-2 125 V DC<br>acc. to IEC 60898-1 230/400 V AC |
| Tension                                | acc. to IEC 60898-1 230 V  |
| Tension assignée d'isolement ( $U_i$ ) | acc. to IEC/EN 60664-1 690 V   |
| Tension assignée de                    | 8 kV   |

tenue aux chocs ( $U_{imp}$ )

|   |  |
|---|--|
| Type de tension   | AC/DC  |
| Courant nominal ( $I_n$ )   | 6 A  |
| Courant nominal de fonctionnement ( $I_e$ )                         | 6 A  |
| Rated Short-Circuit Capacity  | (230 V) 25 kA<br>(400 V) 25 kA   |
| Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )     | (400 V) 50 kA<br>(400 V) 240V/6 kA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                | (230 V) 50 kA<br>(400 V) 50 kA   |
| Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ ) | (240 / 415 V AC) 40 kA<br>(254 / 440 V AC) 22.5 kA<br>(400 / 690 V AC) 4 kA<br>(125 V DC) 30 kA                      |
| Fréquence (f)   | 50...60 Hz   |
| Fréquence assignée (f)  | 50/60 Hz   |
| Power Loss  | 1.8 W<br>at Rated Operating Conditions per Pole 1.8 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   | 1  |
| Nombre de pôles   | 1  |
| Catégorie de Surtension   | IV   |
| Couple de serrage   | 3.5 N·m  |
| 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<br>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><br>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<br>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                           | 5 g   |

|   |                                    |
|---|------------------------------------|
| selon CEI 60068-2-27                        | 30 ms                              |
| Statut RoHS                                 | Following EU Directive 2011/65/EU  |
| Informations RoHS                           | 9AKK107680A3903<br>2CCC005083D0202 |
| Informations environnementales              | 2CCY413207D0203                    |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                    |

## Technique UL/CSA

|                                    |   |
|------------------------------------|---|
| Interrupting Rating acc. to UL1077 | (240 V AC) 30 kA<br>(277 V AC) 14 kA<br>(347 V AC) 6 kA |
|------------------------------------|---|

## Dimensions

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|---|-----------------|
| 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           |
| Taille                                      | 1_module        |
| Profondeur d'encastrement (t <sub>2</sub> ) | 82.5 mm         |
| Schéma dimensionnel                         | 2CCC413003C0201 |

## Commande

|                           |             |
|---------------------------|-------------|
| Emballage Niveau 1 Unités | box 1 pièce |
| Emballage Niveau 1 Poids  | 270 g       |
| E-Number (Finland)        | 3212301     |

## Certificats et Déclarations (Numéro de document)

|                                |                 |
|--------------------------------|-----------------|
| Déclaration de Conformité - CE | 2CCC005083D0202 |
|--------------------------------|-----------------|

## Installation

|                         |                 |
|-------------------------|-----------------|
| Instructions et manuels | 2CCC413016M0008 |
|-------------------------|-----------------|

## Downloads Préférés

|  |                 |
|--|-----------------|
| Fiche produit, informations techniques | 2CCC413003C0208 |
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## Classifications

|        |  |
|--------|--|
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
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| 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

