

PRODUCT-DETAILS

# S802S-D6

## S802S-D6 High Performance MCB



### Informations générales

|                              |                               |
|------------------------------|-------------------------------|
| Extension du type de produit | S802S-D6                      |
| Code de produit              | 2CCS862001R0061               |
| EAN                          | 7612271408190                 |
| Description courte           | S802S-D6 High Performance MCB |

|                    |  |
|--------------------|--|
| Description longue | <p>The S802S-D6 is a 2-pole High Performance Circuit breaker with D-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 S802S-D6 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 S802S-D6 more comfortable. Due to the fast arc extinction of S802S-D6 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    | D  |
| Tension nominale ( $U_r$ ) | acc. to IEC 60947-2 690 V AC<br>acc. to IEC 60947-2 250 V DC<br>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 ( $I_n$ )   | 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 ( $I_{cu}$ )     | (690 V) 50 kA<br>(690 V) 415V/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  | 3.4 W<br>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   | 2  |
| Nombre de pôles   | 2  |
| Catégorie de Surtension   | IV   |
| Couple de serrage   | 3.5 N·m<br>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<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 |
| Statut RoHS                                    | Following EU Directive 2011/65/EU                         |
| Informations RoHS                              | 9AKK107680A3903<br>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<br>(600Y / 347 V AC) 6 kA |
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**Dimensions**


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| Width in Number of Modular Spacings         | 3               |
| Produit Largeur Net                         | 54 mm           |
| Produit Hauteur Net                         | 95 mm           |
| Produit Longueur Net                        | 82.5 mm         |
| Poids net                                   | 490 g           |
| Taille                                      | 2_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  | 510 g       |
| E-Number (Finland)        | 3212319     |

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


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

Instructions et manuels

2CCC413016M0008

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## Downloads Préférés

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<br>d'objet | F  |

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## Catégories

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

