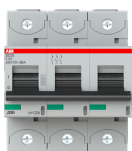


PRODUCT-DETAILS

# S803N-C125

## S803N-C125 High Performance MCB



### Informations générales

|                              |                                 |
|------------------------------|---------------------------------|
| Extension du type de produit | S803N-C125                      |
| Code de produit              | 2CCS893001R0844                 |
| EAN                          | 7612271204631                   |
| Description courte           | S803N-C125 High Performance MCB |

**Description longue**

The S803N-C125 is a 3-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 125 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. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection.

The S803N-C125 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-C125 more comfortable. Due to the fast arc extinction of S803N-C125 your application will be secured.

### Technique

|                            |                          |
|----------------------------|--------------------------|
| Normes et standards        | IEC/EN 60947-2           |
| Type de produit            | High Performance MCB     |
| Tripping Characteristic    | C                        |
| Type of Residual Current   | standard version         |
| Tension nominale ( $U_r$ ) | 230 / 400 V              |
| Tension                    | 400/690 V AC<br>375 V DC |

|   |  |
|---|--|
|   | acc. to IEC 60898-1 690 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 ( $I_n$ )   | 125 A  |
| Rated Operational Current ( $I_e$ )                                 | 125 A  |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                           | (400 V) 25 kA<br>(230 V) 25 kA   |
| Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )     | (240 / 415 V AC) 36 kA<br>(254 / 440 V AC) 20 kA<br>(400 / 690 V AC) 4.5 kA<br>(375 V DC) 20 kA<br>(230 V) 36 kA     |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                | (230 V) 36 kA<br>(400 V) 36 kA   |
| Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ ) | (240 / 415 V AC) 30 kA<br>(254 / 440 V AC) 10 kA<br>(400 / 690 V AC) 3 kA<br>(125 V DC) 20 kA                        |
| Fréquence (f)   | 50 ... 60 Hz   |
| Fréquence assignée (f)  | 50...60 Hz   |
| Power Loss  | 28.2 W<br>at Rated Operating Conditions per Pole 9.4 W   |
| Contact Position Indication   | ON / OFF / TRIP  |
| Classe de limitation d'énergie                                      | 3  |
| Electrical Endurance  | 4000 cycle<br>6000 cycle   |
| Nombre de pôles   | 3  |
| Number of Protected Poles   | 3  |
| Catégorie de Surtension   | IV   |
| Tightening Torque   | 3.5 N·m<br>31 in·lb  |
| Release Type  | C  |
| Actuator Marking  | I / O  |
| Qualité du matériau   | Insulation group I, RAL 7035   |
| Mounting on DIN Rail  | 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   | Yes  |
| Remarks   | Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw |
| Connecting Capacity   | Rigid 0 ... 50 mm <sup>2</sup><br>Flexible 0 ... 70 mm <sup>2</sup>  |
| Terminal Type   | 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   |
| Environmental Conditions                       | Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle<br>Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96%<br>Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100%<br>Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C<br>Dry Heat Test B acc. to IEC 60068-2-2 2 hour @ 70 °C |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le   |
| Resistance to Shock acc. to IEC 60068-2-27     | 5 g<br>30 ms  |
| RoHS Status                                    | Following EU Directive 2011/65/EU   |
| Environmental Information                      | 2CCY413207D0203   |

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**Dimensions**


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

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**Emballage**


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|                             |               |
|-----------------------------|---------------|
| Emballage Niveau 1 Unités   | box 1 pièce   |
| Emballage Niveau 1 Largeur  | 105 mm        |
| Emballage Niveau 1 Hauteur  | 99 mm         |
| Emballage Niveau 1 Longueur | 86 mm         |
| Emballage Niveau 1 Poids    | 770 g         |
| Emballage Niveau 1 EAN      | 7612271204631 |

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**Commande**


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|                   |          |
|-------------------|----------|
| Quantité minimum  | 1 pièce  |
| Code douanier     | 85362090 |
| E-Number (Sweden) | 2101541  |

|                 |                  |
|-----------------|------------------|
| Pays d'origine  | Switzerland (CH) |
| Unité de mesure | pièce            |

## Certificats et Déclarations (Numéro de document)

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Déclaration de Conformité<br>- CE | 2CCC005083D0202                  |
| Environmental Information         | 2CCY413207D0203                  |
| Instructions et manuels           | 2CCC413016M0008                  |
| RoHS Information                  | 2CCC005083D0202, 9AKK107680A3903 |

## Downloads Préférés

|  |                 |
|--|-----------------|
| Fiche produit, informations techniques | 2CCC413003C0208 |
| Instructions et manuels                | 2CCC413016M0008 |
| Dimension Diagram                      | 2CCC413003C0201 |

## Classifications

|                            |  |
|----------------------------|--|
| ETIM 6                     | EC000042 - disjoncteur                                     |
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 8                     | EC000042 - Miniature circuit breaker (MCB)                 |
| EPLAN Catalog Tree         | Electrical engineering / Protection devices / General      |
| Catégorie DEEE             | 5. Small Equipment (No External Dimension More Than 50 cm) |
| DEEE B2C / B2B             | Business To Business                                       |
| CN8                        | 85362020   |
| Object Classification Code | F  |

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Disjoncteurs ≤125A S800/S500

