

PRODUCT-DETAILS

# S303P-D4NA

## S303P-D4NA Miniature Circuit Breaker - 3+NP - D - 4 A



### Informations générales

|                              |   |
|------------------------------|---|
| Extension du type de produit | S303P-D4NA  |
| Code de produit              | 2CDS383103R0041   |
| EAN                          | 4016779077439   |
| Description courte           | S303P-D4NA Miniature Circuit Breaker - 3+NP - D - 4 A   |
| Description longue           | The MCBs S300P series assures protection in industrial installations against overload and short circuits. This product is manufactured according to international IEC and UL standards, for the markets where it is required. |

### ABB EcoSolutions

|                  |     |
|------------------|-----|
| ABB EcoSolutions | Oui |
|------------------|-----|

### Valeur Circulaire

|  |  |
|--|--|
| Principes du Design Circulaire - Taux de Recyclabilité       | Conçu pour utiliser des ressources recyclables et réutilisables - Norme EN45555 - 90 % |
| Matériau Durable Constitutif                                 | 0 %  |
| Déchets destinés à l'enfouissement en décharge - Destination | Aucun déchet non-dangereux mis en décharge -   |
| Amélioration de l'efficacité                                 | Efficacité du produit - Le produit nécessite moins d'énergie pour fonctionner par      |

|   |   |
|---|---|
| des ressources pour les clients         | rapport à un produit similaire sur le marché. - |
| Proposé avec une durée de vie prolongée | Durabilité du produit -                         |
| Proposition de reprise                  | Reprendre pour recycler -                       |
| Instructions relatives à la fin de vie  | 9AKK108467A9801                                 |

## Eco Transparence

|   |                 |
|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108467A7130 |
|---|-----------------|

## Technique

|   |  |
|---|--|
| Normes et standards   | CSA 22.2 No. 235<br>IEC/EN 60898-1<br>IEC/EN 60947-2<br>UL 1077                              |
| Tripping Characteristic   | D  |
| Tension   | acc. to IEC 60898-1 415 V AC<br>acc. to IEC 60898-1 415 V<br>acc. to IEC 60947-2 415 V AC    |
| Operational Voltage   | Maximum (Incl. Tolerance) 457 V AC<br>Maximum 457 V AC<br>Minimum 12 V AC<br>Minimum 12 V DC |
| Tension assignée d'isolement ( $U_i$ )                          | acc. to IEC/EN 60664-1 500 V   |
| Tension assignée de tenue aux chocs ( $U_{imp}$ )               | 6 kV   |
| Dielectric Test Voltage   | 50/60 Hz, 1 min: 2 kV  |
| Type de tension   | AC/DC  |
| Courant nominal ( $I_n$ )                                       | 4 A  |
| Rated Short-Circuit Capacity                                    | (AC) 25 kA<br>(400 V) 25 kA  |
| Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ ) | (415 V AC) 100 kA<br>(440 V AC) 100 kA<br>(400 V) 100 kA                                     |
| Fréquence assignée (f)  | 50 Hz<br>60 Hz<br>50 ... 60 Hz   |
| Power Loss  | 5.6 W<br>at Rated Operating Conditions per Pole 1.4 W  |
| Power Supply Connection   | Arbitrary  |
| Contact Position Indication                                     | Red ON / Green OFF   |
| Electrical Endurance  | 20000 AC cycle   |
| Mechanical Endurance  | 20000 cycle  |
| Number of Protected Poles                                       | 3  |
| Nombre de pôles   | 3+N  |
| Catégorie de Surtension   | IV   |
| Position of Neutral Terminals                                   | Right  |
| Couple de serrage   | 2.8 N·m  |
| Screw Terminal Type   | Failsafe Bi-directional Cylinder-lift Terminal   |
| Actuator Marking  | I / O  |
| Actuator Material   | Insulation Group II, Black, Sealable   |

|                          |  |
|--------------------------|--|
| 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  |
| Connecting Capacity      | Busbar 10 / 10 mm <sup>2</sup><br>Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Installation Size        | acc. to DIN 43880 1  |
| Wire Stripping Length    | 14 mm  |
| Type de borne            | Screw Terminals  |

## Environnement

|  |   |
|--|---|
| Température de l'air ambiant                   | Operation -40 ... +70 °C<br>Storage -55 ... +70 °C        |
| Indice de protection                           | IP20<br>IP40<br>Enclosure with Cover IP40                 |
| Degré de pollution                             | 3   |
| Environmental Conditions                       | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In      |
| Résistance aux chocs selon CEI 60068-2-27      | 25g 3 shocks 18 ms  |
| Statut RoHS                                    | Following EU Directive 2011/65/EU                         |
| Informations RoHS                              | 9AKK107991A3220   |
| REACH Declaration                              | 9AKK107492A1906   |
| Conflict Minerals Reporting Template (CMRT)    | 9AKK108468A3363   |

## Technique UL/CSA

|                                    |  |
|------------------------------------|--|
| Maximum Operating Voltage UL/CSA   | 125 V DC<br>480Y / 277 V AC<br>480Y/277 V AC |
| Interrupting Rating acc. to UL1077 | (125 V DC) 10 kA<br>(480Y / 277 V AC) 10 kA  |
| Connecting Capacity UL/CSA         | Busbar 18-8 AWG<br>Conductor 18-4 AWG        |
| Tightening Torque UL/CSA           | 18 in-lb                                     |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 4        |
| Produit Largeur Net                 | 70 mm    |
| Produit Hauteur Net                 | 88 mm    |
| Produit Longueur Net                | 69 mm    |
| Poids net                           | 0.496 kg |

|   |          |
|---|----------|
| Pole Net Weight                             | 0.124 kg |
| Profondeur d'encastrement (t <sub>2</sub> ) | 69 mm    |

## Commande

|                           |             |
|---------------------------|-------------|
| Emballage Niveau 1 Unités | box 1 pièce |
| Emballage Niveau 1 Poids  | 0.516 kg    |
| E-Number (Finland)        | 3216389     |

## Certificats et Déclarations (Numéro de document)

|                                  |                                    |
|----------------------------------|------------------------------------|
| CB Certificate                   | 2CDZ405000A1089<br>2CDZ405000A1093 |
| CCA Certificate                  | 2CDZ405000A1090<br>2CDZ405000A1094 |
| CCC Certificate                  | 2CDZ405000A1097<br>2CDZ405000A1098 |
| Agence de certification          | CSA<br>IEC<br>EN<br>UL             |
| CQC Certificate                  | 2CDZ405000A1097<br>2CDZ405000A1098 |
| Certificat CSA                   | 2CDZ405000A1102                    |
| Déclaration de Conformité - CE   | 9AKK107991A3220                    |
| Declaration of Conformity - UKCA | 9AKK107992A8877                    |
| DNV GL Certificate               | 2CDZ405000A1155                    |
| EAC Certificate                  | 2CDZ405000A1092<br>2CDZ405000A1096 |
| Certificat NF                    | 2CDZ405000A1144                    |
| Certificat RINA                  | 2CDZ405000A1194                    |
| Certificat UL                    | 2CDZ405000A1101                    |
| VDE Certificate                  | 2CDZ405000A1191<br>2CDZ405000A1195 |

## Installation

|                         |                 |
|-------------------------|-----------------|
| Instructions et manuels | 2CDS207104P0002 |
|-------------------------|-----------------|

## Downloads Préférés

|  |                 |
|--|-----------------|
| Fiche produit, informations techniques | 9AKK107992A4964 |
|--|-----------------|

## 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                                      | 8536 20 10                         |
| UNSPSC                                   | 39121603                           |
| eClass                                   | V11.0 : 27141901                   |
| Code de catégorie granulaire IDÉA (IGCC) | 4897 >> Miniature circuit breakers |
| Code de classification d'objet           | F                                  |

## Accessories

| Identifiant     | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact            | S2C-H6R       | 1        | piece           |
| 2CDS200970R0001 | S2C-H01 Auxiliary Contact            | S2C-H01       | 1        | piece           |
| 2CDS200970R0002 | S2C-H10 Auxiliary Contact            | S2C-H10       | 1        | piece           |
| 2CDS200936R0001 | S2C-H11L Auxiliary Contact           | S2C-H11L      | 1        | piece           |
| 2CDS200936R0002 | S2C-H20L Auxiliary Contact           | S2C-H20L      | 1        | piece           |
| 2CDS200936R0003 | S2C-H02L Auxiliary Contact           | S2C-H02L      | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CDS200909R0001 | S2C-A1 Shunt Trip                    | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | S2C-A2 Shunt Trip                    | S2C-A2        | 1        | piece           |
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage Release    | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage Release    | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage Release    | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage Release   | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage Release   | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage Release   | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage Release    | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage Release    | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage Release   | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage Release   | S2C-UA 230 DC | 1        | piece           |
| 2CSS201997R0013 | S2C-CM1 Motor operating device       | S2C-CM1       | 1        | piece           |
| 2CSS203997R0013 | S2C-CM2/3 Motor operating device     | S2C-CM2/3     | 1        | piece           |
| 2CSS204997R0013 | S2C-CM4 Motor operating device       | S2C-CM4       | 1        | piece           |
| GHS2001901R0003 | S2C-DH Mechanical Accessories        | S2C-DH        | 1        | piece           |
| 2CSS200998R0001 | S2C-BP Mechanical tripping device    | S2C-BP        | 1        | piece           |
| 2CSS200999R0001 | S2C-EST Plug-in base                 | S2C-EST       | 1        | piece           |
| 2CDS200918R0001 | S2C-NT Hand Operated Neutral         | S2C-NT        | 1        | piece           |
| 2CCA880100R0001 | CMS-100PS Sensor                     | CMS-100PS     | 1        | piece           |
| 2CCA880101R0001 | CMS-101PS Sensor                     | CMS-101PS     | 1        | piece           |
| 2CCA880102R0001 | CMS-102PS Sensor                     | CMS-102PS     | 1        | piece           |

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## Catégories

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Produits basse tension → Appareillage modulaire et parafoudres → Miniature Circuit Breakers MCBs → Disjoncteurs ≤63A SN201/S200

