

PRODUCT-DETAILS

# S203M-B40UC

## S203M-B40UC Miniature Circuit Breaker - 3P - B - 40 A



### Informations générales

|                              |   |
|------------------------------|---|
| Extension du type de produit | S203M-B40UC   |
| Code de produit              | 2CDS273061R0405                                       |
| EAN                          | 4013614435102   |
| Description courte           | S203M-B40UC Miniature Circuit Breaker - 3P - B - 40 A |

Description longue

The miniature circuit breaker S 200 M UC extends the established ABB System pro M compact® product range with an MCB for DC and AC applications. The S 200 M UC impresses with its performance range and the accordingly large amount of approvals. Its high inbuilt short circuit breaking capacity across the entire model line, its flexible AC and DC application and its approval and compliance in accordance with all major international and local standards make it truly unique.

All current System pro M compact® accessories can be combined easily with the new model line. Whether warehousing or project engineering, planning, installing or maintaining your equipment, the S 200 M UC is a simple and flexible solution.

### Technique

|                         |  |
|-------------------------|--|
| Normes et standards     | IEC/EN 60898-1<br>IEC/EN 60947-2   |
| Tripping Characteristic | B  |
| Tension                 | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60898-1 440 V DC<br>acc. to IEC 60898-2 400 V AC<br>acc. to IEC 60947-2 440 V AC<br>acc. to IEC 60947-2 440 V DC |
| Operational Voltage     | Maximum (Incl. Tolerance) 440 V AC   |

|   |  |
|---|--|
|   | Maximum (Incl. Tolerance) 500 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC   |
| Tension assignée d'isolement ( $U_i$ )                              | acc. to IEC/EN 60664-1 484 V   |
| Tension assignée de tenue aux chocs ( $U_{imp}$ )                   | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV  |
| Dielectric Test Voltage   | 50/60 Hz, 1 min: 2 kV  |
| Type de tension   | AC/DC  |
| Courant nominal ( $I_n$ )   | 40 A   |
| Rated Short-Circuit Capacity  | (AC) 10 kA<br>(230 V AC) 10 kA<br>(253 V AC) 10 kA<br>(400 V AC) 10 kA<br>(440 V DC) 10 kA   |
| Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )     | (220 V DC) 25 kA<br>(230 V AC) 25 kA<br>(400 V AC) 10 kA<br>(440 V AC) 10 kA<br>(440 V DC) 10 kA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                | (230 V) 25 kA<br>(400 V) 10 kA   |
| Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ ) | (220 V DC) 20 kA   |
| Fréquence assignée (f)  | 50 / 60 Hz<br>DC   |
| Power Loss  | 11.49 W<br>at Rated Operating Conditions per Pole 3.83 W   |
| Power Supply Connection   | Please Note Polarity of Device   |
| Contact Position Indication   | Red ON / Green OFF   |
| Classe de limitation d'énergie                                      | 3  |
| Electrical Endurance  | 10000 AC cycle   |
| Mechanical Endurance  | 20000 cycle  |
| Number of Protected Poles   | 3  |
| Nombre de pôles   | 3  |
| Catégorie de Surtension   | III  |
| 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   |
| Options Provided  | Universal current  |
| 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   | Please note polarity of device   |
| 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>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Installation Size   | acc. to DIN 43880 1  |
| Type de borne   | Screw Terminals  |

---

**Environnement**


---

|  |  |
|--|--|
| Température de l'air ambiant                   | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C                     |
| Reference Ambient Air Temperature              | 30 °C  |
| Indice de protection                           | IP20<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 2 shocks 13 ms   |
| Statut RoHS                                    | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Informations RoHS                              | 2CDK400583D2704  |
| REACH Declaration                              | 9AKK107492A1906  |
| Informations environnementales                 | 2CDK400030D201   |
| SCIP   | cec6beff-be12-4313-bcef-0d0cbaa3ae87 Germany (DE)                      |
| Conflict Minerals Reporting Template (CMRT)    | 9AKK108468A3363  |

---



---

**Technique UL/CSA**


---

|                                    |  |
|------------------------------------|--|
| Maximum Operating Voltage UL/CSA   | 480Y/277 V AC<br>500 V DC  |
| Interrupting Rating acc. to UL1077 | (220 V AC) 10 kA<br>(277 V AC) 6 kA<br>(440 V DC) 10 kA<br>(480Y / 277 V AC) 10 kA<br>(500 V DC) 10 kA |
| Connecting Capacity UL/CSA         | Busbar 14-8 AWG<br>Conductor 14-4 AWG  |
| Tightening Torque UL/CSA           | 25 in-lb   |

---



---

**Dimensions**


---

|   |          |
|---|----------|
| Width in Number of Modular Spacings         | 3        |
| Produit Largeur Net                         | 52.5 mm  |
| Produit Hauteur Net                         | 85 mm    |
| Produit Longueur Net                        | 69 mm    |
| Poids net                                   | 0.375 kg |
| Pole Net Weight                             | 0.125 kg |
| Profondeur d'encastrement (t <sub>2</sub> ) | 69 mm    |

---



---

**Commande**


---

|                           |                |
|---------------------------|----------------|
| Emballage Niveau 1 Unités | carton 1 pièce |
| Emballage Niveau 1 Poids  | 0.4 kg         |

E-Number (Finland)

3210417

---

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


---

|                                   |                 |
|-----------------------------------|-----------------|
| Agence de certification           | EN<br>IEC       |
| Déclaration de Conformité<br>- CE | 2CDK400583D2704 |

---



---

**Installation**


---

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

---



---

**Downloads Préférés**


---

|   |                 |
|---|-----------------|
| Fiche produit, informations<br>techniques | 2CDC002142D0207 |
|---|-----------------|

---



---

**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<br>granulaire IDEA (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model     |
| Code de classification<br>d'objet           | F  |

---



---

**Accessories**


---

| Identifier      | 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           |

## Catégories

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

