

PRODUCT-DETAILS

# S204M-C40

## S204M-C40 Miniature Circuit Breaker - 4P - C - 40 A



### Informations générales

|                              |  |
|------------------------------|--|
| Extension du type de produit | S204M-C40  |
| Code de produit              | 2CDS274001R0404  |
| EAN                          | 4016779550796  |
| Description courte           | S204M-C40 Miniature Circuit Breaker - 4P - C - 40 A  |
| Description longue           | <p>System pro M compact S200M miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200M comply with IEC/EN 60898-1 and IEC/EN 609 47-2, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200M to save 50% space.</p> |

### Technique

|                         |  |
|-------------------------|--|
| Normes et standards     | IEC/EN 60898-1<br>CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077          |
| Tripping Characteristic | C  |
| Tension                 | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 440 V AC             |
| Operational Voltage     | Maximum (Incl. Tolerance) 125 V DC<br>Maximum (Incl. Tolerance) 440 V AC |

|   |  |
|---|--|
|   | Minimum 12 V AC<br>Minimum 12 V DC   |
| Tension assignée d'isolement ( $U_i$ )                              | acc. to IEC/EN 60664-1 440 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>(400 V AC) 10 kA   |
| Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )     | (230 V AC) 25 kA<br>(400 V AC) 15 kA<br>(440 V AC) 15 kA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                | (230 V) 15 kA<br>(400 V) 25 kA   |
| Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ ) | (230 V AC) 7.5 kA  |
| Fréquence (f)   | 50 Hz  |
| Fréquence assignée (f)  | 50 / 60 Hz   |
| Power Loss  | 19.2 W<br>at Rated Operating Conditions per Pole 4.8 W   |
| Power Supply Connection   | Arbitrary  |
| Contact Position Indication   | Red ON / Green OFF   |
| Classe de limitation d'énergie                                      | 3  |
| Electrical Endurance  | 10000 AC cycle   |
| Mechanical Endurance  | 20000 cycle  |
| Nombre de pôles   | 4  |
| Number of Protected Poles   | 4  |
| Catégorie de Surtension   | III  |
| Product Range   | S200M  |
| 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 II, 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>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

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## Environnement

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|--|---|
| 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                         |
| Informations environnementales                 | 2CDK400030D0201   |

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## Technique UL/CSA

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|------------------------------------|---|
| Maximum Operating Voltage UL/CSA   | 125 V DC<br>480Y/277 V AC                                     |
| Interrupting Rating acc. to UL1077 | (125 V DC) 10 kA<br>(277 V AC) 6 kA<br>(480Y / 277 V AC) 6 kA |
| Connecting Capacity UL/CSA         | Busbar 14-8 AWG<br>Conductor 14-4 AWG                         |
| Tightening Torque UL/CSA           | 18 in-lb  |

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## Dimensions

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|---|----------|
| Width in Number of Modular Spacings         | 4        |
| Produit Largeur Net                         | 70 mm    |
| Produit Hauteur Net                         | 88 mm    |
| Produit Longueur Net                        | 69 mm    |
| Poids net                                   | 0.5 kg   |
| Pole Net Weight                             | 0.125 kg |
| Profondeur d'encastrement (t <sub>2</sub> ) | 69 mm    |

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## Emballage

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|----------------------------|----------------|
| Emballage Niveau 1 Unités  | carton 1 pièce |
| Emballage Niveau 1 Largeur | 92 mm          |

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|                                |                 |
|--------------------------------|-----------------|
| Emballage Niveau 1<br>Hauteur  | 80 mm           |
| Emballage Niveau 1<br>Longueur | 78 mm           |
| Emballage Niveau 1 Poids       | 0.51 kg         |
| Emballage Niveau 1 EAN         | 4016779606585   |
| Emballage Niveau 2<br>Unités   | carton 24 pièce |
| Emballage Niveau 2<br>Largeur  | 275 mm          |
| Emballage Niveau 2<br>Hauteur  | 210 mm          |
| Emballage Niveau 2<br>Longueur | 400 mm          |
| Emballage Niveau 2 Poids       | 14.44 kg        |
| Emballage Niveau 2 EAN         | 4016779980036   |

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## Commande

|                   |              |
|-------------------|--------------|
| Quantité minimum  | 1 pièce      |
| Code douanier     | 85362010     |
| E-Number (Sweden) | 2101268      |
| Pays d'origine    | Germany (DE) |

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## Certificats et Déclarations (Numéro de document)

|                                   |                 |
|-----------------------------------|-----------------|
| Agence de certification           | EN<br>IEC       |
| Déclaration de Conformité<br>- CE | 2CDK403001D0607 |
| Informations<br>environnementales | 2CDK400030D0201 |
| I <sup>t</sup> t Characteristic   | 9AKK107992A5102 |
| Instructions et manuels           | 2CDS207104P0001 |
| Informations RoHS                 | 2CDK400003K0203 |

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## Popular Downloads

|   |                 |
|---|-----------------|
| Fiche produit, informations<br>techniques | 9AKK107046A0423 |
| Instructions et manuels                   | 2CDS207104P0001 |
| Schéma dimensionnel                       | 2CDC022007F0010 |
| I <sup>t</sup> t Characteristic           | 9AKK107992A5102 |
| EPLAN Graphical Macro                     | 9AKK106713A7632 |
| EPLAN Macro                               | 9AKK106713A7622 |

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## Classifications

|        |  |
|--------|--|
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |

|                                 |  |
|---------------------------------|--|
| Arborescence du catalogue EPLAN | Electrical engineering / Protection devices / General                                      |
| EPLAN Function Definition       | Circuit breaker / Quadruple circuit-breaker / Quadruple circuit-breaker<br>1_2_3_4_5_6_7_8 |
| Catégorie DEEE                  | 5. Small Equipment (No External Dimension More Than 50 cm)                                 |
| DEEE B2C / B2B                  | Business To Consumer   |
| CN8                             | 8536 20 10   |
| UNSPSC                          | 39121614   |
| eClass                          | V11.0 : 27141901   |
| Code de classification d'objet  | F  |

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## Accessories

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

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Disjoncteurs ≤63A SN201/S200

