PRODUCT-DETAILS

# S204P-C25

# S204P-C25 Miniature Circuit Breaker - 4P - C - 25 A

## Informations générales

| | |
|---|---|
| Extension du type de produit | S204P-C25 |
| Code de produit | 2CDS284001R0254 |
| EAN | 4016779590808 |
| Description courte | S204P-C25 Miniature Circuit Breaker - 4P - C - 25 A |
| Description longue | System pro M compact S200P 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 25 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200P comply with IEC/EN 60898-1, IEC/EN 609 47-2, UL1077 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200P to save 50% space. |

## Technique

| | |
|---|---|
| Normes et standards | CSA 22.2 No. 235<br>IEC/EN 60898-1<br>IEC/EN 60947-2<br>UL 1077 |
| Type de produit | Miniature Circuit Breaker |
| Tripping Characteristic | C |
| Tension nominale ($U_r$) | 400 V AC |
| Tension | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 400 V AC |
| Operational Voltage | Maximum (Incl. Tolerance) 440 V AC<br>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 |
| Courant nominal ($I_n$) | 25 A |
| Rated Short-Circuit Capacity ($I_{cn}$) | (230 V AC) 12.5 kA<br>(400 V AC) 25 kA |
| Pouvoir assigné de coupure ultime en court-circuit ($I_{cu}$) | (230 V AC) 25 kA<br>(400 V AC) 25 kA |
| Rated Conditional Short-Circuit Current ($I_{nc}$) | (230 V) 25 kA<br>(400 V) 25 kA |
| Pourvoir assigné de coupure de service en court-circuit ($I_{cs}$) | (400 V AC) 12.5 kA |
| Fréquence assignée (f) | 50 / 60 Hz |
| Power Loss | 14 W<br>at Rated Operating Conditions per Pole 3.5 W |
| Power Supply Connection | Arbitrary |
| Contact Position Indication | Red ON / Green OFF |
| Classe de limitation d'énergie | 3 |
| Electrical Endurance | 20000 AC cycle |
| | 20000 cycle |
| Nombre de pôles | 4 |
| Number of Protected Poles | 4 |
| Catégorie de Surtension | III |
| Product Range | S200P |
| Tightening Torque | 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 |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |
| Type d'encastrement | Any |
| Recommended Screw Driver | Pozidriv 2 |
| Accessories Available | Yes |
| Connecting Capacity | Busbar 10 / 10 mm²<br>Flexible with Ferrule 0.75 ... 16 mm²<br>Flexible 0.75 ... 16 mm²<br>Rigid 0.75 ... 25 mm²<br>Stranded 0.75 ... 25 mm² |
| Installation Size | acc. to DIN 43880 1 |
| Terminal Type | 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 |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g / 2 shocks / 13 ms |
| RoHS Status | Following EU Directive 2011/65/EU |
| Environmental Information | 9AKK107680A6947 |

## Technique UL/CSA

| | |
|---|---|
| Maximum Operating Voltage UL/CSA | 480Y/277 V AC |
| Interrupting Rating acc. to UL1077 | (480Y / 277 V AC) 10 kA |
| Connecting Capacity UL/CSA | Busbar 18-8 AWG<br>Conductor 18-4 AWG |
| Tightening Torque UL/CSA | 25 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 | 0.56 kg |
| Pole Net Weight | 0.14 kg |
| Profondeur d'encastrement ($t_2$) | 69 mm |

## Emballage

| | |
|---|---|
| Emballage Niveau 1 Unités | carton 1 pièce |
| Emballage Niveau 1 Largeur | 92 mm |
| Emballage Niveau 1 Hauteur | 80 mm |
| Emballage Niveau 1 Longueur | 78 mm |
| Emballage Niveau 1 Poids | 0.57 kg |
| Emballage Niveau 1 EAN | 4016779612418 |

## Commande

| | |
|---|---|
| Quantité minimum | 1 pièce |
| Code douanier | 85362010 |
| E-Number (Sweden) | 2102163 |
| Pays d'origine | Germany (DE) |
| Unité de mesure | pièce |

## Certificats et Déclarations (Numéro de document)

| | |
|---|---|
| Certification Agency | CSA<br>IEC<br>EN<br>UL |
| Déclaration de Conformité - CE | 2CDK403003D0403 |
| Environmental Information | 9AKK107680A6947 |
| Instructions et manuels | 2CDS207104P0001 |
| RoHS Information | 2CDK403003D0403 |

## Downloads Préférés

| | |
|---|---|
| Fiche produit, informations techniques | 9AKK106930A8017 |
| Instructions et manuels | 2CDS207104P0001 |
| EPLAN Graphical Macro | 9AKK106713A8206 |
| EPLAN Macro | 9AKK106713A8205 |

## 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 |
| EPLAN Function Definition | Circuit breaker / Quadruple circuit-breaker / Quadruple circuit-breaker 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 |
| Object Classification Code | 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 |
| 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 → Disjoncteurs ≤63A SN201/S200