



PRODUCT-DETAILS

S202M-D25

Miniature Circuit Breaker - S200M - 2P - 25 A - D



| Algemene informatie | |
|---------------------|---|
| Type | S202M-D25 |
| Artikelnummer | 2CDS272001R0251 |
| EAN | 4016779600545 |
| Omschrijving | Miniature Circuit Breaker - S200M - 2P - 25 A - D |
| Lange omschrijving | 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. |

| ABB EcoSolutions | |
|---|---|
| ABB EcoSolutions | Ja |
| EcoSolutions Profile | 9AKK108469A3798 |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 90.6 % |
| Extended Product Lifetime | Product Durability |
| Offered with Takeback Services | Take Back for Recycling |

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| End Of Life Disassembling Instructions | 9AKK108468A3132 |
| Milieuproductverklaring - EPD | 9AKK108467A7833 |

Technische specificaties

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|---|---|
| Uitschakelkenmerk | D |
| Nominaal bedrijfsvoltage | acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V acc. to IEC 60947-2 440 V AC |
| Operationeel voltage | Maximum (inclusief tolerantie) 125 V DC Maximum (inclusief tolerantie) 440 V AC Minimum 12 V AC Minimum 12 V DC |
| Nominaal isolatievoltage (U _i) | acc. to IEC/EN 60664-1 440 V |
| Nominale impuls grensvoltage (U _{imp}) | 4 kV at 2000 m 5 kV at Sea Level 6.2 kV |
| Diëlektrische testspanning | 50/60 Hz-1 min: 2 kV |
| Ingangsspanningstype | AC/DC |
| Toegekende stroom (I _n) | 25 A |
| Nominaal kortsluitvermogen | (AC) 10 kA (400 V AC) 10 kA (400 V) 10 kA |
| Nominaal ultiem kortsluitvermogen (I _{cu}) | (230 V AC) 25 kA (440 V AC) 15 kA (230 V) 25 kA (400 V) 15 kA |
| Nominale voorwaardelijke kortsluitstroom (I _{nc}) | (230 V) 15 kA (400 V) 25 kA |
| Nominaal vermogen kortsluitvermogen (I _{cs}) | (230 V AC) 7.5 kA |
| Toegekende frequentie (f) | 50 / 60 Hz |
| Vermogensverlies | 6.2 W at Rated Operating Conditions per Pole 3.1 W |
| Aansluiting voeding | Arbitrary |
| Statusindicator | Red ON / Green OFF |
| Energiebeperkende klasse | 3 |
| Elektrisch uithoudingsvermogen | 20000 AC cycle |
| Mechanisch uithoudingsvermogen | 20000 cycle |
| Aantal beveiligde polen | 2 |
| Aantal polen | 2P |
| Overspanningscategorie | III |
| Aanhaalmoment | 2.8 N·m |
| Type schroefklem | Failsafe Bi-directional Cylinder-lift Terminal |
| Aansturingsmarkering | I / O |
| Aansturingsmateriaal | Insulation Group II, Black, Sealable |
| Materiaal behuizing | Isolatie Groep II, RAL 7035 |
| Montage op DIN-rail | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Plaats van inbouw | any |
| Aanbevolen schroevendraaier | Pozidriv 2 |
| Accessoires beschikbaar | Ja |
| Verbindingscapaciteit | Busbar 10 / 10 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Rigid 0.75 ... 35 mm² |

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|--------------------|--------------------------------------|
| Installatiegrootte | Stranded 0.75 ... 35 mm ² |
| Terminaltype | acc. to DIN 43880 1 |
| | Schroef |

Material Compliance

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|---------------------------------------|--|
| RoHS-informatie | 2CDK400003K0203 |
| RoHS-status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS-datum | 20161001 |
| REACH-verklaring | 9AKK107492A1906 |
| REACH Information | True - contains substances > 0.1 mass percentage |
| REACH Date | 20240821 |
| Rapport over conflictmineralen (CMRT) | 9AKK108468A3363 |

Milieu

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| Omgevingsluchttemperatuur | Werking -25 ... +55 °C Opslag -40 ... +70 °C |
| Referentie omgevingsluchttemperatuur | 30 °C |
| Beschermingsgraad | IP20 IP40 Enclosure with Cover IP40 |
| Verontreinigingsgraad | 3 |
| Milieu-omstandigheden | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Weerstand tegen trillingen volgens IEC 60068-2-6 | 20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz |
| Schokweerstand volgens IEC 60068-2-27 | 25g 2 shocks 13 ms |

Technische specificaties UL/CSA

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|--|---|
| Maximale bedrijfsspanning UL/CSA | 125 V DC 480Y/277 V AC |
| Onderbrekende classificatie volgens UL1077 | (125 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA |
| Verbindingscapaciteit UL/CSA | Busbar 14-8 AWG Conductor 14-4 AWG |
| Aanhaalmoment UL/CSA | 18 in·lb |

Afmetingen

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|--------------------------------|-----------------|
| Breedte in module-eenheden | 2.0 |
| Product netto breedte | 35 mm |
| Product netto hoogte | 88 mm |
| Product netto diepte | 69 mm |
| Product netto gewicht | 0.25 kg |
| Pool netto gewicht | 0.125 kg |
| Inbouwdiepte (t ₂) | 69 mm |
| Dimensiediagram | 2CDC022007F0010 |

Bestelinformatie

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|--------------------------------|---------------|
| Pakketniveau 1 Units | karton 5 stuk |
| Pakketniveau 1 Brutogewicht | 1.3 kg |
| E-Number (Norway) | 1634063 |
| E-Number (Sweden) | 2100042 |

Certificaten en verklaringen (documentnummer)

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|-------------------------------------|-----------------|
| Conformiteitsverklaring - CE | 2CDK403001D0607 |
| Declaration of Conformity - UKCA | 9AKK108467A5053 |
| † Characteristic | 9AKK107992A5103 |

Installation

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|---------------------------------|-----------------|
| Instructies en handleidingen | 2CDS207104P0002 |
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Populaire downloads

| | |
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| Gegevensblad, technische informatie | 9AKK107046A0423 |
| † Characteristic | 9AKK107992A5103 |

Externe classificaties en normen

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|---|---|
| ETIM 8 | EC000042 - Installatieautomaat |
| ETIM 9 | EC000042 - Installatieautomaat |
| WEEE-categorie | 5. Small Equipment (No External Dimension More Than 50 cm) |
| AEEA B2C / B2B | Business To Business |
| CN8 | 8536 20 10 |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IGCC (IDEA granulaire categoriecode) | 4897 >> Miniature circuit breakers |
| Object classificatiecode | F |
| Normen | IEC/EN 60898-1 CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077 |
| Certificatieagentschap | EN IEC |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|----------------------------|---------------|----------|-----------------|
| 2CDS200922R0001 | Signal / Auxiliary Contact | S2C-S/H6R | 1 | piece |
| 2CDS200912R0001 | Auxiliary Contact | S2C-H6R | 1 | piece |
| 2CDS200970R0031 | Auxiliary Contact | S2C-H01 | 1 | piece |
| 2CDS200970R0032 | Auxiliary Contact | S2C-H10 | 1 | piece |
| 2CDS200936R0001 | Auxiliary Contact | S2C-H11L | 1 | piece |
| 2CDS200936R0002 | Auxiliary Contact | S2C-H20L | 1 | piece |
| 2CDS200936R0003 | Auxiliary Contact | S2C-H02L | 1 | piece |
| 2CDS200946R0001 | Auxiliary Contact | S2C-H6-11R | 1 | piece |
| 2CDS200946R0002 | Auxiliary Contact | S2C-H6-20R | 1 | piece |
| 2CDS200946R0003 | Auxiliary Contact | S2C-H6-02R | 1 | piece |
| 2CDS200909R0001 | Shunt Trip | S2C-A1 | 1 | piece |
| 2CDS200909R0002 | Shunt Trip | S2C-A2 | 1 | piece |
| 2CSS200911R0001 | Undervoltage Release | S2C-UA 12 DC | 1 | piece |
| 2CSS200911R0002 | Undervoltage Release | S2C-UA 24 AC | 1 | piece |
| 2CSS200911R0003 | Undervoltage Release | S2C-UA 48 AC | 1 | piece |
| 2CSS200911R0004 | Undervoltage Release | S2C-UA 110 AC | 1 | piece |
| 2CSS200911R0005 | Undervoltage Release | S2C-UA 230 AC | 1 | piece |
| 2CSS200911R0006 | Undervoltage Release | S2C-UA 400 AC | 1 | piece |
| 2CSS200911R0007 | Undervoltage Release | S2C-UA 24 DC | 1 | piece |
| 2CSS200911R0008 | Undervoltage Release | S2C-UA 48 DC | 1 | piece |
| 2CSS200911R0009 | Undervoltage Release | S2C-UA 110 DC | 1 | piece |
| 2CSS200911R0010 | Undervoltage Release | S2C-UA 230 DC | 1 | piece |
| GHS2001901R0003 | Mechanical Accessories | S2C-DH | 1 | piece |
| 2CSS200998R0001 | Mechanical tripping device | S2C-BP | 1 | piece |
| 2CSS200999R0001 | Plug-in base | S2C-EST | 1 | piece |
| 2CDS200918R0001 | Hand Operated Neutral | S2C-NT | 1 | piece |
| 2CCA880100R0001 | Sensor | CMS-100PS | 1 | piece |
| 2CCA880101R0001 | Sensor | CMS-101PS | 1 | piece |
| 2CCA880102R0001 | Sensor | CMS-102PS | 1 | piece |

Categorieën

Laagspanningsproducten en -systemen → Modulaire DIN rail producten → Miniature Circuit Breakers MCBs → Installatieautomaten MCB's

