

PRODUCT-DETAILS

S203M-B50

Miniature Circuit Breaker - S200M - 3P - B - 50 A



Algemene informatie

| | |
|---------------|---|
| Type | S203M-B50 |
| Artikelnummer | 2CDS273001R0505 |
| EAN | 4016779543873 |
| Omschrijving | Miniature Circuit Breaker - S200M - 3P - B - 50 A |

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|--------------|---|
| 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. |
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Technische specificaties

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| Normen | IEC/EN 60898-1 IEC/EN 60947-2 |
| Aantal polen | 3 |
| Aantal beveiligde polen | 3 |
| Uitschakelkenmerk | B |
| Toegekende stroom (I_n) | 50 A |
| Nominaal bedrijfsvoltage | acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC |
| Toegekende spanning (U_r) | 400 V AC |

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| Vermogensverlies | 9.75 W at Rated Operating Conditions per Pole 3.25 W |
| Nominaal isolatievoltage (U _i) | acc. to IEC/EN 60664-1 440 V |
| Operationeel voltage | Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC Minimum 12 V DC |
| Toegekende frequentie (f) | 50 / 60 Hz |
| Nominaal kortsluitvermogen (I _{cn}) | (230 V AC) 10 kA (400 V AC) 10 kA |
| Nominaal ultiem kortsluitvermogen (I _{cu}) | (230 V AC) 25 kA (400 V AC) 15 kA (440 V AC) 15 kA |
| Nominaal vermogen kortsluitvermogen (I _{cs}) | (133 V AC) 15 kA (230 V AC) 7.5 kA |
| Energiebeperkende klasse | 3 |
| Overspanningscategorie | III |
| Verontreinigingsgraad | 3 |
| 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 |
| Materiaal behuizing | Insulation Group II, RAL 7035 |
| Aansturingsmateriaal | Insulation Group II, Black, Sealable |
| Aansturingsmarkering | I / O |
| Onderbreking | Red ON / Green OFF |
| Beschermingsgraad | IP20 Enclosure with Cover IP40 |
| Elektrisch uithoudingsvermogen | 20000 AC cycle 10000 AC cycle 20000 cycle |
| Terminaltype | Schroef |
| Type schroefklem | Failsafe Bi-directional Cylinder-lift Terminal |
| Verbindingscapaciteit | Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ² |
| Aanhaalmoment | 2.8 N·m |
| Aanbevolen schroevendraaier | Pozidriv 2 |
| Montage op DIN-rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |
| Plaats van inbouw | Any |
| Inbouwdiepte (t ₂) | 69 mm |
| Installatiegrootte | acc. to DIN 43880 1 |
| Aansluiting voeding | Arbitrary |

Milieu

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| Omgevingsluchttemperatuur | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Referentie omgevingsluchttemperatuur | 30 °C |
| Schokweerstand volgens IEC 60068-2-27 | 25g / 2 shocks / 13 ms |
| Weerstand tegen trillingen volgens IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In |

| | |
|-----------------------|---|
| Milieu-omstandigheden | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| RoHS-status | Following EU Directive 2011/65/EU |

Technische specificaties UL/CSA

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

Afmetingen

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| Product netto breedte | 52.5 mm |
| Product netto diepte | 69 mm |
| Product netto hoogte | 88 mm |
| Product netto gewicht | 0.375 kg |

Verpakkingsinformatie

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|-----------------------------|----------------|
| Pakketniveau 1 Units | carton 1 stuk |
| Pakketniveau 1 Breedte | 92 mm |
| Pakketniveau 1 Lengte | 58 mm |
| Pakketniveau 1 Hoogte | 80 mm |
| Pakketniveau 1 Brutogewicht | 0.4 kg |
| Pakketniveau 1 EAN | 4016779606073 |
| Pakketniveau 2 Units | carton 36 stuk |
| Pakketniveau 2 Breedte | 275 mm |
| Pakketniveau 2 Lengte | 400 mm |
| Pakketniveau 2 Hoogte | 210 mm |
| Pakketniveau 2 Brutogewicht | 13.9 kg |
| Pakketniveau 2 EAN | 4016779978521 |

Bestelinformatie

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|----------------------------|----------|
| Minimale bestelhoeveelheid | 1 stuk |
| Nummer douanetarief | 85362010 |
| E-Number (Sweden) | 2101158 |
| E-Number (Finland) | 3210764 |

Certificaten en verklaringen (documentnummer)

| | |
|------------------------------|-----------------|
| Conformiteitsverklaring - CE | 2CDK403001D0607 |
| Milieu-informatie | 2CDK400030D0201 |
| Instructies en handleidingen | 2CDS207104P0001 |
| RoHS-informatie | 2CDK400003K0203 |

Populaire downloads

| | |
|--|-----------------|
| Gegevensblad, technische informatie | 9AKK107046A0423 |
| Instructies en handleidingen | 2CDS207104P0001 |

Classificatie

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|--------------------------|--|
| Object classificatiecode | F |
| ETIM 6 | EC000042 - Installatieautomaat |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | V11.0 : 27141901 |
| UNSPSC | 39121614 |

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 |

Categorieën

Laagspanningsproducten en -systemen → Modulaire DIN rail producten → Installatieautomaten MCB's

