

## PRODUCT-DETAILS

# S202M-C16

## S202M-C16 Miniature Circuit Breaker - 2P - C - 16 A



### Algemene informatie

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type          | S202M-C16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Artikelnummer | 2CDS272001R0164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EAN           | 4016779550307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Omschrijving  | S202M-C16 Miniature Circuit Breaker - 2P - C - 16 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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. |

### Technical

|                                       |                                                                          |
|---------------------------------------|--------------------------------------------------------------------------|
| Normen                                | IEC/EN 60898-1<br>CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077          |
| Uitschakelkenmerk                     | C                                                                        |
| Toegekende spanning (U <sub>r</sub> ) | 400 V AC                                                                 |
| Nominaal bedrijfsvoltage              | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 440 V AC             |
| Operationeel voltage                  | Maximum (Incl. Tolerance) 125 V DC<br>Maximum (Incl. Tolerance) 440 V AC |

|                                                             |                                                                                                                                                                                                          |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             | Minimum 12 V AC<br>Minimum 12 V DC                                                                                                                                                                       |
| Nominaal isolatievoltage (U <sub>i</sub> )                  | acc. to IEC/EN 60664-1 440 V                                                                                                                                                                             |
| Nominale impuls grensvoltage (U <sub>imp</sub> )            | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV                                                                                                                                                            |
| Diëlektrische testspanning                                  | 50/60 Hz, 1 min: 2 kV                                                                                                                                                                                    |
| Ingangsspanningstype                                        | AC/DC                                                                                                                                                                                                    |
| Toegekende stroom (I <sub>n</sub> )                         | 16 A                                                                                                                                                                                                     |
| Nominaal kortsluitvermogen (I <sub>cn</sub> )               | (AC) 10 kA<br>(230 V AC) 10 kA<br>(400 V AC) 10 kA                                                                                                                                                       |
| Nominaal ultiem kortsluitvermogen (I <sub>cu</sub> )        | (230 V AC) 25 kA<br>(400 V AC) 15 kA<br>(440 V AC) 15 kA                                                                                                                                                 |
| Nominale voorwaardelijke kortsluitstroom (I <sub>nc</sub> ) | (230 V) 15 kA<br>(400 V) 25 kA                                                                                                                                                                           |
| Nominaal vermogen kortsluitvermogen (I <sub>cs</sub> )      | (230 V AC) 7.5 kA                                                                                                                                                                                        |
| Frequentie (f)                                              | 50 Hz                                                                                                                                                                                                    |
| Toegekende frequentie (f)                                   | 50 / 60 Hz                                                                                                                                                                                               |
| Vermogensverlies                                            | 5 W<br>at Rated Operating Conditions per Pole 2.5 W                                                                                                                                                      |
| Aansluiting voeding                                         | Arbitrary                                                                                                                                                                                                |
| Onderbreking                                                | Red ON / Green OFF                                                                                                                                                                                       |
| Energiebeperkende klasse                                    | 3                                                                                                                                                                                                        |
| Elektrisch uithoudingsvermogen                              | 20000 AC cycle<br>20000 cycle                                                                                                                                                                            |
| Aantal polen                                                | 2                                                                                                                                                                                                        |
| Aantal beveiligde polen                                     | 2                                                                                                                                                                                                        |
| Overspanningscategorie                                      | III                                                                                                                                                                                                      |
| Productreeks                                                | S200M                                                                                                                                                                                                    |
| Aanhaalmoment                                               | 2.8 N·m                                                                                                                                                                                                  |
| Type schroefklem                                            | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                                           |
| Aansturingsmarkering                                        | I / O                                                                                                                                                                                                    |
| Aansturingsmateriaal                                        | Insulation Group II, Black, Sealable                                                                                                                                                                     |
| Materiaal behuizing                                         | Insulation Group II, RAL 7035                                                                                                                                                                            |
| Montage op DIN-rail                                         | 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                                                                                           |
| Plaats van inbouw                                           | Any                                                                                                                                                                                                      |
| Aanbevolen schroevendraaier                                 | Pozidriv 2                                                                                                                                                                                               |
| Accessoires beschikbaar                                     | Yes                                                                                                                                                                                                      |
| Verbindingscapaciteit                                       | 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> |
| Installatiegrootte                                          | acc. to DIN 43880 1                                                                                                                                                                                      |
| Terminaltype                                                | Schroef                                                                                                                                                                                                  |

## Environmental

|                                      |                                                    |
|--------------------------------------|----------------------------------------------------|
| Omgevingsluchttemperatuur            | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Referentie omgevingsluchttemperatuur | 30 °C                                              |

tuur

|                                                  |                                                           |
|--------------------------------------------------|-----------------------------------------------------------|
| Beschermingsgraad                                | IP20<br>Enclosure with Cover IP40                         |
| Verontreinigingsgraad                            | 3                                                         |
| Milieu-omstandigheden                            | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| Weerstand tegen trillingen volgens IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In      |
| Schokweerstand volgens IEC 60068-2-27            | 25g / 2 shocks / 13 ms                                    |
| RoHS-status                                      | Following EU Directive 2011/65/EU                         |
| Milieu-informatie                                | 2CDK400030D0201                                           |

## Technical UL/CSA

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

## Dimensions

|                                |          |
|--------------------------------|----------|
| Breedte in module-eenheden     | 2        |
| Product netto breedte          | 35 mm    |
| Product netto hoogte           | 88 mm    |
| Product netto diepte           | 69 mm    |
| Product netto gewicht          | 0.25 kg  |
| Pool netto gewicht             | 0.115 kg |
| Inbouwdiepte (t <sub>2</sub> ) | 69 mm    |

## Container Information

|                             |                |
|-----------------------------|----------------|
| Pakketniveau 1 Units        | carton 5 stuk  |
| Pakketniveau 1 Breedte      | 92 mm          |
| Pakketniveau 1 Hoogte       | 80 mm          |
| Pakketniveau 1 Lengte       | 183 mm         |
| Pakketniveau 1 Brutogewicht | 1.3 kg         |
| Pakketniveau 1 EAN          | 4016779605694  |
| Pakketniveau 2 Units        | carton 60 stuk |
| Pakketniveau 2 Breedte      | 275 mm         |
| Pakketniveau 2 Hoogte       | 210 mm         |
| Pakketniveau 2 Lengte       | 400 mm         |
| Pakketniveau 2 Brutogewicht | 16 kg          |
| Pakketniveau 2 EAN          | 4016779977272  |

## Ordering

|                            |        |
|----------------------------|--------|
| Minimale bestelhoeveelheid | 1 stuk |
|----------------------------|--------|

|                     |              |
|---------------------|--------------|
| Nummer douanetarief | 85362010     |
| E-Number (Finland)  | 3210798      |
| E-Number (Sweden)   | 2101227      |
| Land van herkomst   | Germany (DE) |

## Certificates and Declarations (Document Number)

|                                 |                 |
|---------------------------------|-----------------|
| Certificatieagentschap          | EN<br>IEC       |
| Conformiteitsverklaring<br>- CE | 2CDK403001D0607 |
| Milieu-informatie               | 2CDK400030D0201 |
| I <sup>2</sup> t Characteristic | 9AKK107992A5102 |
| Instructies en<br>handleidingen | 2CDS207104P0001 |
| RoHS-informatie                 | 2CDK400003K0203 |

## Popular Downloads

|                                        |                 |
|----------------------------------------|-----------------|
| Gegevensblad,<br>technische informatie | 9AKK107046A0423 |
| Instructies en<br>handleidingen        | 2CDS207104P0001 |
| Dimensiediagram                        | 2CDC022007F0010 |
| I <sup>2</sup> t Characteristic        | 9AKK107992A5102 |
| EPLAN grafische macro                  | 9AKK106713A8115 |
| EPLAN-macro                            | 9AKK106713A8105 |

## Classifications

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| ETIM 7                   | EC000042 - Miniature circuit breaker (MCB)                                |
| ETIM 8                   | EC000042 - Miniature circuit breaker (MCB)                                |
| EPLAN-catalogus boom     | Electrical engineering / Protection devices / General                     |
| EPLAN-functiedefinitie   | Circuit breaker / Double circuit-breaker / Double circuit breaker 1_2_3_4 |
| WEEE-categorie           | 5. Small Equipment (No External Dimension More Than 50 cm)                |
| WEEE B2C / B2B           | Business To Consumer                                                      |
| CN8                      | 8536 20 10                                                                |
| UNSPSC                   | 39121614                                                                  |
| eClass                   | V11.0 : 27141901                                                          |
| Object classificatiecode | 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           |

## Categorieën

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

