

## PRODUCT-DETAILS

# S204M-C3UC

## Miniature Circuit Breaker - S200MUC - 4P - C - 3 ampere



### Ogólne informacje

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Extended Product Type | S204M-C3UC                                              |
| ID Produktu           | 2CDS274061R0034                                         |
| Numer EAN             | 4013614437397                                           |
| Opis katalogowy       | Miniature Circuit Breaker - S200MUC - 4P - C - 3 ampere |

#### Opis

The miniature circuit breaker S 200 M UC extends the established ABB System pro M compact® product range with an MCB for DC and AC applications. The S 200 M UC impresses with its performance range and the accordingly large amount of approvals. Its high inbuilt short circuit breaking capacity across the entire model line, its flexible AC and DC application and its approval and compliance in accordance with all major international and local standards make it truly unique.

All current System pro M compact® accessories can be combined easily with the new model line. Whether warehousing or project engineering, planning, installing or maintaining your equipment, the S 200 M UC is a simple and flexible solution.

### Dane techniczne

|                           |                                                                                              |
|---------------------------|----------------------------------------------------------------------------------------------|
| Standardy                 | IEC/EN 60898-1<br>IEC/EN 60947-2                                                             |
| Liczba biegunów           | 4                                                                                            |
| Number of Protected Poles | 4                                                                                            |
| Tripping Characteristic   | C                                                                                            |
| Prąd znamionowy ( $I_n$ ) | 3 A                                                                                          |
| Znamionowe napięcie pracy | zgodny z IEC60898-1 400 V AC<br>zgodny z IEC60898-1 440 V DC<br>acc. to IEC 60898-2 400 V AC |

|                                                             |                                                                                                                                                                                                            |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             | zgodny z IEC60947-2 440 V AC<br>zgodny z IEC60947-2 440 V DC                                                                                                                                               |
| Straty mocy                                                 | 5.44 W<br>na biegun 1.36 W                                                                                                                                                                                 |
| Znamionowe napięcie izolacji ( $U_i$ )                      | wg IEC/EN 60664-1 484 V                                                                                                                                                                                    |
| Operational Voltage                                         | Maximum (Incl. Tolerance) 440 V AC<br>Maximum (Incl. Tolerance) 500 V DC<br>Maximum 440 V AC<br>Maximum 500 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC                                                     |
| Częstotliwość znamionowa (f)                                | DC<br>50 Hz<br>60 Hz                                                                                                                                                                                       |
| Znamionowy prąd zwarcia ( $I_{cn}$ )                        | (253 V AC) 10 kA<br>(400 V AC) 10 kA<br>(440 V DC) 10 kA                                                                                                                                                   |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V DC) 25 kA<br>(440 V AC) 10 kA<br>(440 V DC) 10 kA                                                                                                                                                   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V DC) 20 kA                                                                                                                                                                                           |
| Energy Limiting Class                                       | 3                                                                                                                                                                                                          |
| Overvoltage Category                                        | III                                                                                                                                                                                                        |
| Stopień zanieczyszczenia                                    | 3                                                                                                                                                                                                          |
| Znamionowa wytrzymałość na impuls napięciowy ( $U_{imp}$ )  | 4 kV<br>(6.2 kV @ sea level)<br>(5.0 kV @ 2000 m)                                                                                                                                                          |
| Dielectric Test Voltage                                     | 50/60 Hz, 1 min: 2 kV                                                                                                                                                                                      |
| Materiał obudowy                                            | Insulation Group I, RAL 7035                                                                                                                                                                               |
| Actuator Material                                           | Insulation Group II, Black, Sealable                                                                                                                                                                       |
| Actuator Marking                                            | I / O                                                                                                                                                                                                      |
| Contact Position Indication                                 | Red ON / Green OFF                                                                                                                                                                                         |
| Stopień ochrony obudowy                                     | IP20                                                                                                                                                                                                       |
| Remarks                                                     | IP40 in enclosure with cover<br>Please note polarity of device                                                                                                                                             |
| Electrical Endurance                                        | 20000 AC cycle<br>20000 cycle                                                                                                                                                                              |
| Typ terminala                                               | Screw Terminals                                                                                                                                                                                            |
| Screw Terminal Type                                         | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                                             |
| Connecting Capacity                                         | Busbar 10 / 10 mm <sup>2</sup><br>Elastyczny z tulejką 0.75 ... 25 mm <sup>2</sup><br>Elastyczny 0.75 ... 25 mm <sup>2</sup><br>Sztywny 0.75 ... 35 mm <sup>2</sup><br>Skrętka 0.75 ... 35 mm <sup>2</sup> |
| Momenty dokrecające                                         | 2.8 N·m                                                                                                                                                                                                    |
| Recommended Screw Driver                                    | Pozidriv 2                                                                                                                                                                                                 |
| Montaż na szynie DIN                                        | TH35-7.5 (Szyna montażowa 35 x 7.5 mm) wg IEC 60715<br>TH35-15 (Szyna montażowa 35 x 15 mm) wg IEC 60715                                                                                                   |
| Pozycja montażu                                             | Any                                                                                                                                                                                                        |
| Built-In Depth ( $t_2$ )                                    | 69 mm                                                                                                                                                                                                      |
| Installation Size                                           | acc. to DIN 43880 1                                                                                                                                                                                        |
| Power Supply Connection                                     | Please Note Polarity of Device                                                                                                                                                                             |

## Normy środowiskowe

|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Temperatura powietrza otoczenia | Eksploatacja -25 ... +55 °C<br>Przechowywanie -40 ... +70 °C |
|---------------------------------|--------------------------------------------------------------|

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Reference Ambient Air Temperature       | 30 °C                                                     |
| Odpornosc na wstrząsy<br>IEC 60068-2-27 | 25g / 2 shocks / 13 ms                                    |
| Odpornosc na wibracje<br>IEC 60068-2-6  | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In      |
| Warunki środowiskowe                    | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| Status RoHS                             | Following EU Directive 2011/65/EU                         |

## Technical UL/CSA

|                                    |                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------|
| Maksymalne napięcie robocze UL/CSA | 480Y/277 V AC<br>500 V DC                                                                              |
| Connecting Capacity UL/CSA         | Busbar 14-8 AWG<br>Conductor 14-4 AWG                                                                  |
| Momenty dokrecajace UL/CSA         | 25 in-lb                                                                                               |
| Interrupting Rating acc. to UL1077 | (220 V AC) 10 kA<br>(277 V AC) 6 kA<br>(440 V DC) 10 kA<br>(480Y / 277 V AC) 10 kA<br>(500 V DC) 10 kA |

## Wymiary

|                          |        |
|--------------------------|--------|
| Szerokość produktu netto | 70 mm  |
| Głębokość produktu netto | 69 mm  |
| Wysokość produktu netto  | 88 mm  |
| Waga produktu netto      | 0.5 kg |

## Informacje o pakowaniu

|                                   |                 |
|-----------------------------------|-----------------|
| Jednostka opakowania (poziom 1)   | carton 1 sztuka |
| Szerokość opakowania (poziom 1)   | 92 mm           |
| Długość opakowania (poziom 1)     | 58 mm           |
| Wysokość opakowania (poziom 1)    | 80 mm           |
| Waga opakowania brutto (poziom 1) | 0.53 kg         |
| EAN opakowania (poziom 1)         | 4013614428517   |
| Jednostka opakowania (poziom 2)   | 24 sztuka       |
| Szerokość opakowania (poziom 2)   | 275 mm          |
| Długość opakowania (poziom 2)     | 395 mm          |
| Wysokość opakowania (poziom 2)    | 210 mm          |
| Waga opakowania brutto (poziom 2) | 12.64 kg        |
| EAN opakowania (poziom 2)         | 4013614444760   |

## Charakterystyka zamówienia

|                            |          |
|----------------------------|----------|
| Minimalna ilość zamówienia | 1 sztuka |
| Kod taryfy celnej          | 85362010 |
| E-Number (Finland)         | 3210503  |

### Certyfikaty i deklaracje (Numer dokumentu)

|                           |                 |
|---------------------------|-----------------|
| Deklaracja zgodności - CE | 2CDK400583D2704 |
| Informacje środowiskowe   | 2CDK400030D201  |
| Instrukcje i podręczniki  | 2CDS207104P0001 |

### Najczęściej Pobierane

|                                       |                 |
|---------------------------------------|-----------------|
| Arkusze danych, informacja techniczna | 2CDC002142D0207 |
| Instrukcje i podręczniki              | 2CDS207104P0001 |

### Klasyfikacje

|                  |                                            |
|------------------|--------------------------------------------|
| Kod klasyfikacji | F                                          |
| ETIM 6           | EC000042 - Miniature circuit breaker (MCB) |
| 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           |

## Kategorie

Produkty niskiego napięcia i systemy → Aparatura modułowa na szynę DIN → Wyłączniki nadmiarowo-prądowe

