

## PRODUCT-DETAILS

# S204M-Z10UC

## Miniature Circuit Breaker - S200MUC - 4P - Z - 10 ampere



### Общая информация

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Тип расширенного изделия        | S204M-Z10UC                                              |
| Идентификационный номер изделия | 2CDS274061R0428                                          |
| Европейский товарный код (EAN)  | 4013614437861                                            |
| Описание в каталоге             | Miniature Circuit Breaker - S200MUC - 4P - Z - 10 ampere |

### Длинное описание

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.

### Technical

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Стандарты                     | CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077 |
| Количество полюсов            | 4                                             |
| Количество защищенных полюсов | 4                                             |
| Характеристики расцепления    | Z                                             |
| Номинальный ток ( $I_n$ )     | 10 A                                          |
| Номинальное рабочее           | acc. to IEC 60947-2 440 V AC                  |

|                                                                                                      |                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| напряжение                                                                                           | acc. to IEC 60947-2 440 V DC                                                                                                                                                                            |
| Потери мощности                                                                                      | 8.88 W<br>at Rated Operating Conditions per Pole 2.22 W                                                                                                                                                 |
| Номинальное<br>напряжение изоляции (U <sub>i</sub> )                                                 | acc. to IEC/EN 60664-1 440 V                                                                                                                                                                            |
| Номинальная частота (f)                                                                              | DC<br>50 Hz<br>60 Hz                                                                                                                                                                                    |
| Номинальная<br>предельная<br>отключающая<br>способность при<br>коротком замыкании (I <sub>cu</sub> ) | (220 V DC) 25 kA<br>(440 V AC) 10 kA<br>(440 V DC) 10 kA                                                                                                                                                |
| Номинальная рабочая<br>отключающая<br>способность при<br>коротком замыкании (I <sub>cs</sub> )       | (220 V DC) 20 kA                                                                                                                                                                                        |
| Overvoltage Category                                                                                 | III                                                                                                                                                                                                     |
| Степень загрязнения                                                                                  | степень загрязнения 3                                                                                                                                                                                   |
| Номинальное<br>выдерживаемое<br>импульсное напряжение<br>(U <sub>imp</sub> )                         | (5.0 kV @ 2000 m)<br>(6.2 kV @ sea level)<br>4 kV                                                                                                                                                       |
| Материал корпуса                                                                                     | Insulation Group I, RAL 7035                                                                                                                                                                            |
| Actuator Material                                                                                    | Insulation Group II, Black, Sealable                                                                                                                                                                    |
| Actuator Marking                                                                                     | I / O                                                                                                                                                                                                   |
| Contact Position<br>Indication                                                                       | Red ON / Green OFF                                                                                                                                                                                      |
| Степень защиты                                                                                       | IP20                                                                                                                                                                                                    |
| Замечания                                                                                            | IP40 in enclosure with cover<br>Please note polarity of device<br>20000 цикл                                                                                                                            |
| Тип клемм                                                                                            | Клеммы с винтовым зажимом                                                                                                                                                                               |
| Тип винтовых клемм                                                                                   | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                                          |
| Сечение подключаемого<br>кабеля                                                                      | Busbar 10 / 10 mm <sup>2</sup><br>Гибкий с зажимом 0.75 ... 25 mm <sup>2</sup><br>Гибкий 0.75 ... 25 mm <sup>2</sup><br>Жесткий 0.75 ... 35 mm <sup>2</sup><br>Многожильный 0.75 ... 35 mm <sup>2</sup> |
| Крутящие моменты<br>затяжки                                                                          | 2.8 N·m                                                                                                                                                                                                 |
| Рекомендуемый<br>инструмент (отвертка)                                                               | Pozidriv 2                                                                                                                                                                                              |
| Монтаж на DIN-рейке                                                                                  | Монтажная рейка 35 x 7,5 мм<br>Монтажная рейка 35 x 15 мм                                                                                                                                               |
| Монтажное положение                                                                                  | Any                                                                                                                                                                                                     |
| Built-In Depth (t <sub>2</sub> )                                                                     | 69 mm                                                                                                                                                                                                   |
| Installation Size                                                                                    | acc. to DIN 43880 1                                                                                                                                                                                     |
| Power Supply Connection                                                                              | Please Note Polarity of Device                                                                                                                                                                          |

## Environmental

|                                               |                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------|
| Температура<br>окружающей среды               | Работа с компенсацией -25 ... +55 °C<br>Хранение -40 ... +70 °C |
| Ударопрочность<br>согласно МЭК 60068-2-<br>27 | 25g / 2 shocks / 13 ms                                          |
| Вибропрочность<br>согласно МЭК 60068-2-6      | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In            |
| Environmental Conditions                      | 28 cycles<br>with 55 °C / 90-96 %                               |

and 25 °C / 95-100 %

Правила ограничения  
содержания вредных  
веществ. RoHS статус

Following EU Directive 2011/65/EU

## Technical UL/CSA

|                                    |                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------|
| Maximum Operating Voltage UL/CSA   | 500 V DC<br>480Y / 277 V AC                                                                            |
| Connecting Capacity UL/CSA         | Busbar 14-8 AWG<br>Conductor 14-4 AWG                                                                  |
| Tightening Torque 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 |

## Dimensions

|                        |        |
|------------------------|--------|
| Чистая ширина изделия  | 70 mm  |
| Чистая толщина изделия | 69 mm  |
| Чистая высота изделия  | 88 mm  |
| Чистый вес изделия     | 0.5 kg |

## Container Information

|                                |                |
|--------------------------------|----------------|
| Package Level 1 Units          | carton 1 штука |
| Package Level 1 Width          | 92 mm          |
| Package Level 1 Depth / Length | 78 mm          |
| Package Level 1 Height         | 80 mm          |
| Package Level 1 Gross Weight   | 0.53 kg        |
| Package Level 1 EAN            | 4013614428982  |
| Package Level 2 Units          | 24 штука       |
| Package Level 2 Width          | 275 mm         |
| Package Level 2 Depth / Length | 395 mm         |
| Package Level 2 Height         | 210 mm         |
| Package Level 2 Gross Weight   | 12.64 kg       |
| Package Level 2 EAN            | 4013614446641  |

## Ordering

|                          |          |
|--------------------------|----------|
| Минимальный объем заказа | 1 штука  |
| Номер таможенного тарифа | 85362010 |
| E-Number (Finland)       | 3210558  |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Декларация о соответствии - CE | 2CDK400583D2704 |
|--------------------------------|-----------------|

|                          |                 |
|--------------------------|-----------------|
| Экологическая информация | 2CDK400030D201  |
| Инструкции и руководства | 2CDS207104P0001 |

Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Технические данные       | 2CDC002142D0207 |
| Инструкции и руководства | 2CDS207104P0001 |

Classifications

|                                                                  |                                            |
|------------------------------------------------------------------|--------------------------------------------|
| Код классификации объекта                                        | F                                          |
| ETIM 6                                                           | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7                                                           | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8                                                           | EC000042 - Miniature circuit breaker (MCB) |
| е-класс                                                          | V11.0 : 27141901                           |
| Универсальная стандартная классификация товаров и услуг (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           |

## Категории

Низковольтное оборудование → Модульные устройства на ДИН-рейку → Модульные автоматические выключатели

