

## PRODUCT-DETAILS

# S203P-D8NA

## Miniature Circuit Breaker - S200P - 3+NP - D - 8 ampere



### Ogólne informacje

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | S203P-D8NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ID Produktu           | 2CDS283103R0081                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Numer EAN             | 4016779592116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Opis katalogowy       | Miniature Circuit Breaker - S200P - 3+NP - D - 8 ampere                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Opis                  | <p>System pro M compact S200P 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 25 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200P comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications.</p> <p>Bottom-fitting auxiliary contact can be mounted on S200P to save 50% space.</p> |

### Dane techniczne

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| Standardy                 | CSA 22.2 No. 235<br>IEC/EN 60898-1<br>IEC/EN 60947-2<br>UL 1077          |
| Liczba biegunów           | 3+N                                                                      |
| Number of Protected Poles | 3                                                                        |
| Tripping Characteristic   | D                                                                        |
| Prąd znamionowy ( $I_n$ ) | 8 A                                                                      |
| Znamionowe napięcie pracy | zgodny z IEC60898-1 400 V AC<br>zgodny z IEC60947-2 400 V AC<br>400 V AC |

Napięcie znamionowe ( $U_r$ )

|                                                             |                                                                                                                                                                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Straty mocy                                                 | 10.4 W<br>na biegun 2.6 W                                                                                                                                                                                   |
| Znamionowe napięcie izolacji ( $U_i$ )                      | wg IEC/EN 60664-1 440 V                                                                                                                                                                                     |
| Operational Voltage                                         | Maximum (Incl. Tolerance) 440 V AC<br>Maximum 440 V AC<br>Minimum 12 V AC<br>Minimum 12 V DC                                                                                                                |
| Częstotliwość znamionowa (f)                                | 50 Hz<br>60 Hz                                                                                                                                                                                              |
| Znamionowy prąd zwarcia ( $I_{cn}$ )                        | (400 V AC) 25 kA                                                                                                                                                                                            |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (400 V AC) 25 kA                                                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (400 V AC) 12.5 kA                                                                                                                                                                                          |
| 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 II, 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                                                                                                                                                                                |
| 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 ... 16 mm <sup>2</sup><br>Elastyczny 0.75 ... 16 mm <sup>2</sup><br>Szttywny 0.75 ... 25 mm <sup>2</sup><br>Skrętka 0.75 ... 25 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                                                                                                                                                                                         |
| Position of Neutral Terminals                               | Right                                                                                                                                                                                                       |
| Power Supply Connection                                     | Arbitrary                                                                                                                                                                                                   |

## Normy środowiskowe

|                                   |                                                              |
|-----------------------------------|--------------------------------------------------------------|
| Temperatura powietrza otoczenia   | Eksploatacja -25 ... +55 °C<br>Przechowywanie -40 ... +70 °C |
| Reference Ambient Air Temperature | 30 °C                                                        |
| Odporność na wstrząsy             | 25g / 2 shocks / 13 ms                                       |

IEC 60068-2-27

Odporność na wibracje  
IEC 60068-2-6

5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In

Warunki środowiskowe

28 cycles  
with 55 °C / 90-96 %  
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

Connecting Capacity  
UL/CSABusbar 18-8 AWG  
Conductor 18-4 AWGMomenty dokrecające  
UL/CSA

25 in-lb

Interrupting Rating acc. to  
UL1077(480 V AC) 5 kA  
(480Y / 277 V AC) 10 kA

## Wymiary

Szerokość produktu netto

70 mm

Głębokość produktu netto

69 mm

Wysokość produktu netto

88 mm

Waga produktu netto

0.56 kg

## Informacje o pakowaniu

Jednostka opakowania  
(poziom 1)

carton 1 sztuka

Szerokość opakowania  
(poziom 1)

92 mm

Długość opakowania  
(poziom 1)

78 mm

Wysokość opakowania  
(poziom 1)

80 mm

Waga opakowania brutto  
(poziom 1)

0.6 kg

EAN opakowania (poziom  
1)

4016779611398

## Charakterystyka zamówienia

Minimalna ilość  
zamówienia

1 sztuka

Kod taryfy celnej

85362010

## Certyfikaty i deklaracje (Numer dokumentu)

Deklaracja zgodności - CE

2CDK403003D0403

Informacje środowiskowe

9AKK107680A6947

Instrukcje i podręczniki

2CDS207104P0001

Dane RoHS

2CDK403003D0403

## Najczęściej Pobierane

Arkusz danych, informacja  
techniczna

9AKK106930A8017

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

