

# S202UDC-Z10



Products → Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs

## General Information

<b>Extended Product Type:</b>	S202UDC-Z10
<b>Product ID:</b>	2CDS272517R0428
<b>EAN:</b>	4016779825436
<b>Catalog Description:</b>	Miniature Circuit Breaker - S200UDC - 2P - Z - 10 ampere
<b>Long Description:</b>	System pro M compact S200UDC current limiting miniature circuit breakers are specially designed for DC applications in the scope of UL489. 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 (K,Z), configurations (1P,2P) and rated currents (up to 63A). The Short-circuit current rating SCCR acc. UL489 is 14 kA. The S200UDC is suitable for DC voltages up to 125 VDC (2 pole). All MCBs of the product range S200UDC comply with UL489, allowing the use for commercial and industrial applications. .

## Ordering

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85362010

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	2CDC002052D0202
<b>Instructions and Manuals:</b>	2CDC002052D0202

## Dimensions

<b>Product Net Width:</b>	35 mm
<b>Product Net Depth:</b>	69 mm
<b>Product Net Height:</b>	85 mm
<b>Product Net Weight:</b>	0.3 kg

## Technical

<b>Standards:</b>	UL 489
<b>Number of Poles:</b>	2
<b>Tripping Characteristic:</b>	Z
<b>Rated Current (<math>I_n</math>):</b>	10 A
<b>Power Loss:</b>	4.2 W at Rated Operating Conditions per Pole 2.1 W
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	acc. to IEC/EN 60664-1 440 V

<b>Operational Voltage:</b>	Minimum 12 V DC
<b>Rated Frequency (f):</b>	DC Hz
<b>Housing Material:</b>	Insulation Group I, RAL 7035
<b>Actuator Type:</b>	Insulation group II, black, sealable
<b>Contact Position Indication:</b>	Red ON / Green OFF
<b>Degree of Protection:</b>	IP20
<b>Remarks:</b>	IP40 in enclosure with cover; Please note polarity of device
<b>Electrical Endurance:</b>	6000 AC cycle
<b>Mechanical Endurance (N<sub>endu</sub>):</b>	20000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<b>Connecting Capacity:</b>	Busbar 10 / 10 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup> Flexible 0.75 ... 16 mm <sup>2</sup> Rigid 0.75 ... 25 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup>
<b>Tightening Torque:</b>	2.8 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	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
<b>Mounting Position:</b>	Any

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +70 °C
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	30g / 3 shocks / 11 ms
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
<b>Environmental Conditions:</b>	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	125 V DC
<b>Connecting Capacity UL/CSA:</b>	Busbar 18-8 AWG Conductor 18-4 AWG
<b>Tightening Torque UL/CSA:</b>	25 in·lb
<b>Interrupting Rating acc. to UL1077:</b>	(125 V DC) 14 kA

**Short-Circuit Current Rating** 14 kA  
**(SCCR):**

### Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	2CDK400630D2701
<b>Environmental Information:</b>	2CDK400030D0201
<b>Instructions and Manuals:</b>	2CDC002052D0202

### Container Information

<b>Package Level 1 Units:</b>	5 piece
<b>Package Level 1 Width:</b>	105 mm
<b>Package Level 1 Length:</b>	183 mm
<b>Package Level 1 Height:</b>	80 mm
<b>Package Level 1 Gross Weight:</b>	1.55 kg
<b>Package Level 1 EAN:</b>	4016779825818

### Classifications

<b>Object Classification Code:</b>	F
<b>ETIM 4:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 6:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 7:</b>	Miniature circuit breaker (MCB)
<b>eClass:</b>	7.0 27141901
<b>UNSPSC:</b>	39121614

### Accessories

<b>Identifier</b>	<b>Description</b>	<b>Type</b>	<b>Qty</b>	<b>Unit Of Measure</b>
2CDS200908R0001	S2C-A1U - Shunt Trip	S2C-A1U	1	piece
2CDS200908R0002	S2C-A2U - Shunt Trip	S2C-A2U	1	piece
2CDS200914R0001	S2C-H6RU - Auxiliary Contact	S2C-H6RU	1	piece
2CDS200917R0001	S2C-TC20U - Mechanical Accessories	S2C-TC20U	1	piece
2CDS200924R0001	S2C-S6RU - Signal / Auxiliary Contact	S2C-S6RU	1	piece

