

## PRODUCT-DETAILS

# S201UDC-K20

## Miniature Circuit Breaker - S200UDC - 1P - K - 20 ampere



### General Information

Extended Product Type	S201UDC-K20
Product ID	2CDS271517R0487
EAN	4016779826051
Catalog Description	Miniature Circuit Breaker - S200UDC - 1P - K - 20 ampere

### Long Description

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.

### Technical

Standards	UL 489
Number of Poles	1
Number of Protected Poles	1
Tripping Characteristic	K
Rated Current ( $I_n$ )	20 A
Power Loss	2.9 W at Rated Operating Conditions per Pole 2.9 W
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 440 V

Operational Voltage	Minimum 12 V DC
Rated Frequency (f)	DC
Overvoltage Category	III
Pollution Degree	3
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	(5.0 kV @ 2000 m) (6.2 kV @ sea level) 4 kV
Housing Material	Insulation Group I, RAL 7035
Actuator Type	Insulation group II, black, sealable
Actuator Material	Insulation Group II, Black, Sealable
Actuator Marking	I / O
Contact Position Indication	Red ON / Green OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover Please note polarity of device
Electrical Endurance	6000 AC cycle 20000 cycle
Terminal Type	Double Clamp
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity	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>
Tightening Torque	2.8 N·m
Recommended Screw Driver	Pozidriv 2
Mounting on DIN Rail	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
Mounting Position	Any
Built-In Depth (t <sub>2</sub> )	69 mm
Installation Size	acc. to DIN 43880 2
Power Supply Connection	Please Note Polarity of Device

## Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Resistance to Shock acc. to IEC 60068-2-27	30g / 3 shocks / 11 ms
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status	Following EU Directive 2011/65/EU

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	125 V DC
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	25 in·lb
Interrupting Rating acc. to UL1077	(60 V DC) 14 kA
Interrupting Rating acc. to UL489	(125 V DC) 14 kA (60 V DC) 14 kA

Short-Circuit Current Rating (SCCR)	14 kA
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## Dimensions

Product Net Width	17.5 mm
Product Net Depth / Length	69 mm
Product Net Height	85 mm
Product Net Weight	0.15 kg

## Container Information

Package Level 1 Units	carton 10 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	183 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	1.55 kg
Package Level 1 EAN	4016779826433

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400630D2702
Environmental Information	9AKK107680A6947
Instructions and Manuals	2CDC002052D0202
RoHS Information	2CDK400630D2702

## Popular Downloads

Data Sheet, Technical Information	2CDC002052D0202
Instructions and Manuals	2CDC002052D0202

## Classifications

Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

## Accessories

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

Categories

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

