

S202UDC-Z20



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

General Information

Extended Product Type:	S202UDC-Z20
Product ID:	2CDS272517R0488
EAN:	4016779825467
Catalog Description:	Miniature Circuit Breaker - S200UDC - 2P - Z - 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. .

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Popular Downloads

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

Dimensions

Product Net Width:	35 mm
Product Net Depth:	69 mm
Product Net Height:	85 mm
Product Net Weight:	0.3 kg

Technical

Standards:	UL 489
Number of Poles:	2
Tripping Characteristic:	Z
Rated Current (I_n):	20 A
Power Loss:	5.6 W at Rated Operating Conditions per Pole 2.8 W
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V

Operational Voltage:	Minimum 12 V DC
Rated Frequency (f):	DC Hz
Housing Material:	Insulation Group I, RAL 7035
Actuator Type:	Insulation group II, black, sealable
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
Mechanical Endurance (N_{endu}):	20000 cycle
Terminal Type:	Screw Terminals
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity:	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
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

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 %

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:	(125 V DC) 14 kA

Short-Circuit Current Rating
(SCCR):

14 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CDK400630D2701
Environmental Information:	2CDK400030D0201
Instructions and Manuals:	2CDC002052D0202

Container Information

Package Level 1 Units:	5 piece
Package Level 1 Width:	105 mm
Package Level 1 Length:	183 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	1.55 kg
Package Level 1 EAN:	4016779825849

Classifications

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

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
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

