

S202M-C1UC



Miniature Circuit Breaker - S200MUC - 2P - C - 1 ampere



General Information

Extended Product Type	S202M-C1UC
Product ID	2CDS272061R0014
EAN	4013614432927
Catalog Description	Miniature Circuit Breaker - S200MUC - 2P - C - 1 ampere
Long Description	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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Popular Downloads

Data Sheet, Technical Information	2CDC002142D0207
Instructions and Manuals	2CDC002142D0207

Dimensions

Product Net Width	35 mm
Product Net Depth / Length	69 mm
Product Net Height	88 mm
Product Net Weight	0.25 kg

Technical

Standards	IEC/EN 60898-2 IEC/EN 60947-2
Number of Poles	2
Tripping Characteristic	C
	1 A

Rated Current (I_n)

Rated Operational Voltage

acc. to IEC 60898-1 400 V AC
 acc. to IEC 60898-1 440 V DC
 acc. to IEC 60898-2 400 V AC
 acc. to IEC 60898-2 440 V DC
 acc. to IEC 60947-2 440 V AC
 acc. to IEC 60947-2 440 V DC

Power Loss

2.88 W
 at Rated Operating Conditions per Pole 1.44 W

Rated Insulation Voltage (U_i)

acc. to IEC/EN 60664-1 484 V

Operational Voltage

Maximum (Incl. Tolerance) 440 V AC
 Maximum (Incl. Tolerance) 500 V DC
 Maximum 440 V AC
 Maximum 500 V DC
 Minimum 12 V AC
 Minimum 12 V DC

Rated Frequency (f)

DC
 50 Hz
 60 Hz

Rated Short-Circuit Capacity (I_{cn})

(253 V AC) 10 kA
 (400 V AC) 10 kA
 (440 V DC) 10 kA

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})

(220 V DC) 25 kA
 (440 V AC) 10 kA
 (440 V DC) 10 kA

Rated Service Short-Circuit Breaking Capacity (I_{cs})

(220 V DC) 20 kA

Energy Limiting Class

3

Overvoltage Category

III

Pollution Degree

2

Rated Impulse Withstand Voltage (U_{imp})

4 kV
 (6.2 kV @ sea level)
 (5.0 kV @ 2000 m)

Dielectric Test Voltage

50 / 60 Hz, 1 min: 2 kV

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

20000 AC cycle

20000 cycle

Terminal Type

Screw Terminals

Screw Terminal Type

Failsafe Bi-directional Cylinder-lift Terminal

Connecting Capacity

Busbar 10 / 10 mm²
 Flexible with Ferrule 0.75 ... 25 mm²
 Flexible 0.75 ... 25 mm²
 Rigid 0.75 ... 35 mm²
 Stranded 0.75 ... 35 mm²

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	25g / 2 shocks / 13 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	480Y/277 V AC 500 V DC
Connecting Capacity UL/CSA	Busbar 14-8 AWG Conductor 14-4 AWG
Tightening Torque UL/CSA	25 in·lb
Interrupting Rating acc. to UL1077	(220 V AC) 10 kA (277 V AC) 6 kA (440 V DC) 10 kA (480Y / 277 V AC) 10 kA (500 V DC) 10 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400583D2702
Environmental Information	2CDK400030D201
Instructions and Manuals	2CDC002142D0207

Container Information

Package Level 1 Units	5 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	1.3 kg
Package Level 1 EAN	4013614424045
Package Level 2 Units	60 piece
Package Level 2 Width	275 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	16 kg
Package Level 2 EAN	4013614444395

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	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece
2CDS200909R0001	S2C-A1 - Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 - Shunt Trip	S2C-A2	1	piece
2CDS200912R0001	S2C-H6R - Auxiliary Contact	S2C-H6R	1	piece
2CDS200918R0001	S2C-NT - Hand Operated Neutral	S2C-NT	1	piece
2CDS200922R0001	S2C-S/H6R - Signal / Auxiliary Contact	S2C-S/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
2CDS200970R0001	S2C-H01 - Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 - Auxiliary Contact	S2C-H10	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
2CSS200998R0001	S2C-BP - Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST - Plug-in base	S2C-EST	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

Categories

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

