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 PRODUCT-DETAILS

## S202M-B10UC

### Miniature Circuit Breaker - S200MUC - 2P - 10 A - B




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#### General Information

Extended Product Type	S202M-B10UC
Product ID	2CDS272061R0105
EAN	4013614432828
Catalog Description	Miniature Circuit Breaker - S200MUC - 2P - 10 A - B

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.

#### Long Description

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.

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#### Technical

Dielectric Test Voltage	50/60 Hz-1 min: 2 kV
Rated Ultimate Short-Circuit Breaking	(220 V DC) 25 kA (230 V AC) 15 kA

Capacity (I <sub>cu</sub> )	(400 V AC) 15 kA (440 V AC) 10 kA (440 V DC) 10 kA (230 V) 10 kA (220 V DC) 20 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	
Power Supply Connection	Please Note Polarity of Device
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	2
Number of Poles	2P
Tightening Torque	2.8 N·m
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Options Provided	Universal current
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	Please note polarity of device
Connecting Capacity	Busbar 10 / 10 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Stranded 0.75 ... 35 mm <sup>2</sup>
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

## Electrical

Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 440 V DC acc. to IEC 60898-1 440 V 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
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Maximum (Incl. Tolerance) 500 V DC Minimum 12 V AC Minimum 12 V DC
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC/DC
Rated Current (I <sub>n</sub> )	10 A
Rated Short-Circuit Capacity	(AC) 10 kA (230 V AC) 10 kA (253 V AC) 10 kA (400 V AC) 10 kA (440 V DC) 10 kA

	(230 V) 10 kA (400 V) 10 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 15 kA (400 V) 15 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	4.06 W at Rated Operating Conditions per Pole 2.03 W
Overvoltage Category	III

## Design

Housing Material	Insulation Group I, RAL 7035
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## Technical UL/CSA

Maximum Operating Voltage UL/CSA	480Y/277 V AC 500 V DC
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
Connecting Capacity UL/CSA	Busbar 14-8 AWG Conductor 14-4 AWG
Tightening Torque UL/CSA	25 in-lb

## Material Compliance

RoHS Information	2CDK400583D2704
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20110608
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
SCIP	cec6beff-be12-4313-bcef-0d0cbaa3ae87 Germany
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

## Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz

Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	2CDK400030D201

## Dimensions

Width in Number of Modular Spacings	2.0
Product Net Width	35 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.25 kg
Pole Net Weight	0.125 kg
Built-In Depth (t <sub>2</sub> )	69 mm

## Ordering

Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1.3 kg
E-Number (Finland)	3210321
E-Number (Norway)	1682561
E-Number (Sweden)	2100017

## Certificates and Declarations

Declaration of Conformity - CE	2CDK400583D2704
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## Installation

Instructions and Manuals	2CDS207104P0002
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	any

## Popular Downloads

Data Sheet, Technical Information	2CDC002142D0207
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## External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F

Standards

IEC/EN 60898-2

IEC/EN 60947-2

Certification Agency

EN

IEC

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**Accessories**


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Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	Signal/Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	Auxiliary Contact	S2C-H6R	1	piece
2CDS200970R0031	Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	Auxiliary Contact	S2C-H02L	1	piece
2CDS200946R0001	Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200909R0001	Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	Shunt Trip	S2C-A2	1	piece
2CSS200911R0001	Undervoltage Release	S2C-UA 12 DC	1	piece
2CSS200911R0002	Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0003	Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200911R0004	Undervoltage Release	S2C-UA 110 AC	1	piece
2CSS200911R0005	Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0006	Undervoltage Release	S2C-UA 400 AC	1	piece
2CSS200911R0007	Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0008	Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0009	Undervoltage Release	S2C-UA 110 DC	1	piece
2CSS200911R0010	Undervoltage Release	S2C-UA 230 DC	1	piece
GHS2001901R0003	Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	Plug-in base	S2C-EST	1	piece
2CDS200918R0001	Hand Operated Neutral	S2C-NT	1	piece
2CCA880100R0001	Sensor	CMS-100PS	1	piece
2CCA880101R0001	Sensor	CMS-101PS	1	piece
2CCA880102R0001	Sensor	CMS-102PS	1	piece

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**Categories**


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Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → S200MUC

Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)



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