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 PRODUCT-DETAILS

## S201M-C6UC

### Miniature Circuit Breaker - S200MUC - 1P - 6 A - C - (AC) 10 kA




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**General Information**


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<b>Extended Product Type:</b>	S201M-C6UC
<b>Product ID:</b>	2CDS271061R0064
<b>EAN:</b>	4013614430756
<b>Catalog Description:</b>	Miniature Circuit Breaker - S200MUC - 1P - 6 A - C - (AC) 10 kA
<b>Long Description:</b>	<p>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.</p> <p>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.</p>
<b>Display Name:</b>	S201M-C6UC

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**ABB EcoSolutions**


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**Recyclability Rate of the Product acc. to EN45555:** Design for Closing Resource Loops - Standard EN45555 - 80.7 %

**ABB Site Meeting Group Waste To Landfill Target:** No non-hazardous waste is sent to a landfill

**Extended Product Lifetime:** Product Durability

**End Of Life Disassembling Instructions:** 9AKK108468A3132

**Environmental Product Declaration - EPD:** 9AKK108467A7832

## Technical

<b>Dielectric Test Voltage:</b>	50 / 60 Hz - 1 min 2 kV
<b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b>	(110 V DC) 20 kA (220 V DC) 10 kA (230 V AC) 10 kA (253 V AC) 10 kA (230 V) 10 kA
<b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>	(110 V DC) 10 kA
<b>Power Supply Connection:</b>	Please Note Polarity of Device
<b>Contact Position Indication:</b>	Red ON / Green OFF
<b>Energy Limiting Class:</b>	3
<b>Electrical Endurance:</b>	20000 AC cycle
<b>Mechanical Endurance:</b>	20000 cycle
<b>Number of Protected Poles:</b>	1
<b>Number of Poles:</b>	1P
<b>Tightening Torque:</b>	2.8 N·m
<b>Actuator Type:</b>	Toggle
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<b>Actuator Marking:</b>	I / O
<b>Actuator Material:</b>	Insulation Group II, Black, Sealable
<b>Options Provided:</b>	Universal current
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Accessories Available:</b>	Yes
<b>Remarks:</b>	Please note polarity of device
<b>Connecting Capacity:</b>	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>
<b>Installation Size:</b>	acc. to DIN 43880 1
<b>Terminal Type:</b>	Screw Terminals

## Electrical

**Tripping Characteristic:** C

<b>Rated Operational Voltage:</b>	acc. to IEC 60898-1 220 V DC acc. to IEC 60898-1 230 V AC acc. to IEC 60898-2 220 V DC acc. to IEC 60898-2 230 V AC acc. to IEC 60947-2 253 V AC acc. to IEC 60947-2 220 V DC
<b>Operational Voltage:</b>	Maximum (Incl. Tolerance) 250 V DC Maximum (Incl. Tolerance) 253 V AC Minimum 12 V AC Minimum 12 V DC
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to IEC/EN 60664-1 440 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
<b>Input Voltage Type:</b>	AC/DC
<b>Rated Current (I<sub>n</sub>):</b>	6 A
<b>Rated Short-Circuit Capacity:</b>	(AC) 10 kA (220 V DC) 10 kA (230 / 400 V AC) 10 kA (230 V AC) 10 kA (253 V DC) 10 kA (230 V) 10 kA (400 V) 10 kA
<b>Rated Conditional Short-Circuit Current (I<sub>nc</sub>):</b>	(I (230 V) 10 kA
<b>Rated Frequency (f):</b>	50 / 60 Hz DC
<b>Power Loss:</b>	2 W at Rated Operating Conditions per Pole 2 W
<b>Overvoltage Category:</b>	III

## Design

<b>Housing Material:</b>	Insulation Group I, RAL 7035
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## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	250 V DC 480Y/277 V AC
<b>Interrupting Rating acc. to UL1077:</b>	(110 V DC) 10 kA (220 V AC) 10 kA (250 V DC) 10 kA (253 V AC) 6 kA (480Y / 277 V AC) 10 kA
<b>Connecting Capacity UL/CSA:</b>	Busbar 14-8 AWG Conductor 14-4 AWG
<b>Tightening Torque UL/CSA:</b>	25 in·lb

## Material Compliance

<b>RoHS Declaration:</b>	9AKK108472A0372
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

<b>RoHS Date:</b>	20260312
<b>REACH Declaration:</b>	9AKK107492A1906
<b>REACH Information:</b>	False - does not contain substances > 0.1 mass percentage
<b>REACH Date:</b>	20260312
<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108468A3363
<b>Toxic Substances Control Act - TSCA:</b>	9AKK108468A8104
<b>SCIP:</b>	cec6beff-be12-4313-bcef-0d0cbaa3ae87 Germany
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>WEEE B2C / B2B:</b>	Business To Business

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +70 °C
<b>Reference Ambient Air Temperature:</b>	30 °C
<b>Degree of Protection:</b>	IP20 Enclosure with Cover IP40
<b>Pollution Degree:</b>	3
<b>Environmental Conditions:</b>	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
<b>Resistance to Vibrations:</b>	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	25g 2 shocks 13 ms
<b>Environmental Information:</b>	2CDK400030D201

## Dimensions

<b>Width in Number of Modular Spacings:</b>	1
<b>Product Net Width:</b>	17.5 mm
<b>Product Net Height:</b>	85 mm
<b>Product Net Depth / Length:</b>	69 mm
<b>Product Net Weight:</b>	0.117 kg
<b>Pole Net Weight:</b>	0.125 kg
<b>Built-In Depth (t<sub>2</sub>):</b>	69 mm

## Ordering

<b>Package Level 1 Units:</b>	carton 10 piece
<b>Package Level 1 Gross Weight:</b>	1.21 kg
<b>E-Number (Finland):</b>	3210258
<b>E-Number (Norway):</b>	1682636

## Certificates and Declarations

Declaration of Conformity - CE: 2CDK400583D2704

## 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

## External Classifications and Standards

ETIM 9: EC000042 - Miniature circuit breaker (MCB)

ETIM 10: 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

Standardization Body: EN  
IEC

## Accessories

Identifier	Description	Type	Qty	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	1	piece
2CDS200970R0031	2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact 1NO / 1NC, Left side mounting	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact 2NO	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact 2NC, Left side mounting	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
2CDS200946R0002	S2C-H6-20R Auxiliary contact 2NO	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 2NC	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 Shunt Trip, 12...110V	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip, 110...415V	S2C-A2	1	piece
GHS2001901R0003	S2C-DH Rotary operating mechanism	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST Plug-in base	S2C-EST	1	piece
2CDS200918R0001	S2C-Nt Hand operated neutral	S2C-NT	1	piece
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

### Categories

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

