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PRODUCT-DETAILS

## S202M-K25UC

### S202M-K25UC Miniature Circuit Breaker - 2P - K - 25 A




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#### General Information

Extended Product Type	S202M-K25UC
Product ID	2CDS272061R0517
EAN	4013614433252
Catalog Description	S202M-K25UC Miniature Circuit Breaker - 2P - K - 25 A
Long Description	<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>

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#### Technical

Standards	CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC acc. to IEC 60947-2 440 V DC
Rated Insulation Voltage (Ui)	acc. to IEC/EN 60664-1 440 V
Rated Impulse	4 kV

Withstand Voltage ( $U_{imp}$ )	at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC/DC
Rated Current ( $I_n$ )	25 A
Rated Short-Circuit Capacity	(AC) 10 kA (230 V AC) 10 kA (400 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(220 V DC) 25 kA (230 V AC) 15 kA (400 V AC) 15 kA (440 V AC) 10 kA (440 V DC) 10 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 15 kA (400 V) 15 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(220 V DC) 20 kA (230 V AC) 10 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	5.62 W at Rated Operating Conditions per Pole 2.81 W
Power Supply Connection	Please Note Polarity of Device
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Mechanical Endurance	20000 cycle
Number of Poles	2
Number of Protected Poles	2
Overvoltage Category	III
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
Housing Material	Insulation Group I, RAL 7035
Options Provided	Universal current
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
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> 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

## Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °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	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In

acc. to IEC 60068-2-6

Resistance to Shock acc.  
to IEC 60068-2-27

25g / 2 shocks / 13 ms

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental  
Information

2CDK400030D201

SCIP

cec6beff-be12-4313-bcef-0d0c8aa3ae87 Germany (DE)

REACH Declaration

9AKK107492A1906

**Technical UL/CSA**Maximum Operating  
Voltage UL/CSA500 V DC  
480Y / 277 V ACInterrupting 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 kAConnecting Capacity  
UL/CSABusbar 14-8 AWG  
Conductor 14-4 AWGTightening Torque  
UL/CSA

25 in-lb

**Dimensions**Width in Number of  
Modular Spacings

2

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

**Container Information**

Package Level 1 Units

carton 5 piece

Package Level 1 Width

92 mm

Package Level 1 Height

80 mm

Package Level 1 Depth /  
Length

183 mm

Package Level 1 Gross  
Weight

1.3 kg

Package Level 1 EAN

4013614424373

Package Level 2 Units

carton 60 piece

Package Level 2 Width

275 mm

Package Level 2 Height

210 mm

Package Level 2 Depth /  
Length

395 mm

Package Level 2 Gross  
Weight

16 kg

Package Level 2 EAN

4013614445316

**Ordering**

Minimum Order Quantity

1 piece

Customs Tariff Number

85362010

E-Number (Finland)

3210378

Country of Origin

Germany (DE)

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**Certificates and Declarations (Document Number)**

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Certification Agency	CSA EN IEC UL
Declaration of Conformity - CE	2CDK400583D2704
Environmental Information	2CDK400030D201
Instructions and Manuals	2CDS207104P0001
REACH Declaration	9AKK107492A1906
RoHS Information	2CDK400583D2704

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**Popular Downloads**

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Data Sheet, Technical Information	2CDC002142D0207
Instructions and Manuals	2CDS207104P0001

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**Classifications**

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ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121614
eClass	V11.0 : 27141901
Object Classification Code	F

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**Accessories**

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Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-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
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	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
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
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

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

