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# Detailed information for: S202M-C6

This page contains technical data sheet, documents library and links to offering related to this product. If you require any other information, please contact us using form located at the bottom of the page.

# S202M-C6

## General Information

<b>Extended Product Type:</b>	S202M-C6
<b>Product ID:</b>	2CDS272001R0064
<b>EAN:</b>	4016779550260
<b>Catalog Description:</b>	S202M-C6 Miniature Circuit Breaker - 2P - C - 6 A
<b>Long Description:</b>	System pro M compact S200M miniature circuit breakers are current limiting. 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 (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200M comply with IEC/EN 60898-1 and IEC/EN 609 47-2, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200M to save 50% space.

## Categories

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## Technical

<b>Standards:</b>	IEC/EN 60898-1 CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
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<b>Tripping Characteristic:</b>	C
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<b>Rated Operational Voltage:</b>	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
<b>Operational Voltage:</b>	Maximum (Incl. Tolerance) 125 V DC Maximum (Incl. Tolerance) 440 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>Dielectric Test Voltage:</b>	50/60 Hz, 1 min: 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 (230 V AC) 10 kA (400 V AC) 10 kA
<b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b>	(230 V AC) 25 kA (400 V AC) 15 kA (440 V AC) 15 kA
<b>Rated Conditional Short-Circuit Current (I<sub>nc</sub>):</b>	(230 V) 15 kA (400 V) 25 kA
<b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>	(230 V AC) 7.5 kA
<b>Frequency (f):</b>	50 Hz
<b>Rated Frequency (f):</b>	50 / 60 Hz
<b>Power Loss:</b>	4 W at Rated Operating Conditions per Pole 2 W
<b>Power Supply Connection:</b>	Arbitrary
<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 Poles:</b>	2
<b>Number of Protected Poles:</b>	2
<b>Overvoltage Category:</b>	III
<b>Product Range:</b>	S200M
<b>Tightening Torque:</b>	2.8 N·m
<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>Housing Material:</b>	Insulation Group II, RAL 7035
<b>Mounting on DIN Rail:</b>	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

<b>Mounting Position:</b>	Any
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Accessories Available:</b>	Yes
<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> 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
<b>Environmental</b>	
<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 acc. to IEC 60068-2-6:</b>	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	25g / 2 shocks / 13 ms
<b>RoHS Status:</b>	Following EU Directive 2011/65/EU
<b>Environmental Information:</b>	<a href="#">2CDK400030D0201</a>
<b>Technical UL/CSA</b>	
<b>Maximum Operating Voltage UL/CSA:</b>	125 V DC 480Y/277 V AC
<b>Interrupting Rating acc. to UL1077:</b>	(125 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA
<b>Connecting Capacity UL/CSA:</b>	Busbar 14-8 AWG Conductor 14-4 AWG
<b>Tightening Torque UL/CSA:</b>	18 in·lb
<b>Dimensions</b>	
<b>Width in Number of Modular Spacings:</b>	2
<b>Product Net Width:</b>	35 mm
<b>Product Net Height:</b>	88 mm

<b>Product Net Depth / Length:</b>	69 mm
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<b>Product Net Weight:</b>	0.25 kg
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<b>Pole Net Weight:</b>	0.125 kg
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<b>Built-In Depth (<math>t_2</math>):</b>	69 mm
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### Container Information

<b>Package Level 1 Units:</b>	carton 5 piece
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<b>Package Level 1 Width:</b>	92 mm
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<b>Package Level 1 Height:</b>	80 mm
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<b>Package Level 1 Depth / Length:</b>	183 mm
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<b>Package Level 1 Gross Weight:</b>	1.3 kg
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<b>Package Level 1 EAN:</b>	4016779605625
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<b>Package Level 2 Units:</b>	carton 60 piece
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<b>Package Level 2 Width:</b>	275 mm
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<b>Package Level 2 Height:</b>	210 mm
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<b>Package Level 2 Depth / Length:</b>	400 mm
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<b>Package Level 2 Gross Weight:</b>	16 kg
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<b>Package Level 2 EAN:</b>	4016779977135
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### Ordering

<b>Minimum Order Quantity:</b>	1 piece
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<b>Customs Tariff Number:</b>	85362010
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<b>E-Number (Finland):</b>	3210796
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<b>E-Number (Sweden):</b>	2101223
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<b>Country of Origin:</b>	Germany (DE)
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### Certificates and Declarations (Document Number)

<b>Certification Agency:</b>	EN IEC
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<b>Declaration of Conformity - CE:</b>	<u><a href="#">2CDK403001D0607</a></u>
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<b>Environmental Information:</b>	<u><a href="#">2CDK400030D0201</a></u>
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<b>I<sup>2</sup>t Characteristic:</b>	<u><a href="#">9AKK107992A5102</a></u>
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<b>Instructions and Manuals:</b>	<u><a href="#">2CDS207104P0001</a></u>
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<b>RoHS Information:</b>	<u><a href="#">2CDK400003K0203</a></u>
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### Popular Downloads

<b>Data Sheet, Technical Information:</b>	<u><a href="#">9AKK107046A0423</a></u>
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<b>Instructions and Manuals:</b>	<u><a href="#">2CDS207104P0001</a></u>
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**Dimension Diagram:** [2CDC022007F0010](#)

**I<sup>2</sup>t Characteristic:** [9AKK107992A5102](#)

**EPLAN Graphical Macro:** 9AKK106713A8115

**EPLAN Macro:** 9AKK106713A8105

## Classifications

**ETIM 7:** EC000042 - Miniature circuit breaker (MCB)

**ETIM 8:** EC000042 - Miniature circuit breaker (MCB)

**EPLAN Catalog Tree:** Electrical engineering / Protection devices / General

**EPLAN Function Definition:** Circuit breaker / Double circuit-breaker / Double circuit breaker  
1\_2\_3\_4

**WEEE Category:** 5. Small Equipment (No External Dimension More Than 50 cm)

**WEEE B2C / B2B:** Business To Consumer

**CN8:** 8536 20 10

**UNSPSC:** 39121614

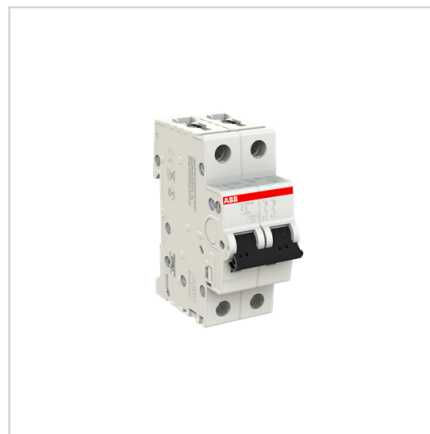
**eClass:** V11.0 : 27141901

**Object Classification Code:** F

## Accessories

Identifier	Description	Type	Qty	Unit Of Measure
<a href="#">2CDS200922R0001</a>	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
<a href="#">2CDS200912R0001</a>	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
<a href="#">2CDS200936R0001</a>	S2C-H11L Auxiliary Contact	S2C-H11L	1	piece
<a href="#">2CDS200936R0002</a>	S2C-H20L Auxiliary Contact	S2C-H20L	1	piece
<a href="#">2CDS200936R0003</a>	S2C-H02L Auxiliary Contact	S2C-H02L	1	piece
<a href="#">2CDS200946R0001</a>	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
<a href="#">2CDS200946R0002</a>	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
<a href="#">2CDS200946R0003</a>	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
<a href="#">2CDS200909R0001</a>	S2C-A1 Shunt Trip	S2C-A1	1	piece
<a href="#">2CDS200909R0002</a>	S2C-A2 Shunt Trip	S2C-A2	1	piece
<a href="#">2CSS200911R0001</a>	S2C-UA 12 DC Undervoltage release	S2C-UA 12 DC	1	piece
<a href="#">2CSS200911R0002</a>	S2C-UA 24 AC Undervoltage release	S2C-UA 24 AC	1	piece
<a href="#">2CSS200911R0003</a>	S2C-UA 48 AC Undervoltage release	S2C-UA 48 AC	1	piece
<a href="#">2CSS200911R0004</a>	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
<a href="#">2CSS200911R0005</a>	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
<a href="#">2CSS200911R0006</a>	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
<a href="#"><u>2CSS200911R0007</u></a>	S2C-UA 24 DC Undervoltage release	S2C-UA 24 DC	1	piece
<a href="#"><u>2CSS200911R0008</u></a>	S2C-UA 48 DC Undervoltage release	S2C-UA 48 DC	1	piece
<a href="#"><u>2CSS200911R0009</u></a>	S2C-UA 110 DC Undervoltage release	S2C-UA 110 DC	1	piece
<a href="#"><u>2CSS200911R0010</u></a>	S2C-UA 230 DC Undervoltage release	S2C-UA 230 DC	1	piece
<a href="#"><u>2CSS201997R0013</u></a>	S2C-CM1 Motor operating device	S2C-CM1	1	piece
<a href="#"><u>2CSS203997R0013</u></a>	S2C-CM2/3 Motor operating device	S2C-CM2/3	1	piece
<a href="#"><u>2CSS204997R0013</u></a>	S2C-CM4 Motor operating device	S2C-CM4	1	piece
<a href="#"><u>GHS2001901R0003</u></a>	S2C-DH Mechanical Accessories	S2C-DH	1	piece
<a href="#"><u>2CSS200998R0001</u></a>	S2C-BP Mechanical tripping device	S2C-BP	1	piece
<a href="#"><u>2CSS200999R0001</u></a>	S2C-EST Plug-in base	S2C-EST	1	piece
<a href="#"><u>2CDS200918R0001</u></a>	S2C-NT Hand Operated Neutral	S2C-NT	1	piece
<a href="#"><u>2CCA880100R0001</u></a>	CMS-100PS Sensor	CMS-100PS	1	piece
<a href="#"><u>2CCA880101R0001</u></a>	CMS-101PS Sensor	CMS-101PS	1	piece
<a href="#"><u>2CCA880102R0001</u></a>	CMS-102PS Sensor	CMS-102PS	1	piece



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