

## General Information

<b>Extended Product Type:</b>	S203-K0,5
<b>Product ID:</b>	2CDS253001R0157
<b>EAN:</b>	4016779507462
<b>Catalog Description:</b>	Miniature Circuit Breaker - S200 - Number of Poles 3 - Tripping characteristic K
<b>Long Description:</b>	System pro M compact S200 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 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

## Accessories

## 32 Products

Filter 

Identifier	Type	Description	Qty
2CDS200922R0001	S2C-S/H6R	S2C-S/H6R Universal Auxiliary/Signal Con	1
2CDS200912R0001	S2C-H6R	S2C-H6R Auxiliary Contact	1
2CDS200970R0001	S2C-H01	S2C-H01 Bottom-fitting auxiliary contact	1
2CDS200970R0002	S2C-H10	S2C-H10 Bottom-fitting auxiliary contact	1
2CDS200936R0001	S2C-H11L	S2C-H11L Auxiliary Contact	1
2CDS200936R0002	S2C-H20L	S2C-H20L Auxiliary Contact	1
2CDS200936R0003	S2C-H02L	S2C-H02L Auxiliary Contact	1
2CDS200946R0001	S2C-H6-11R	S2C-H6-11R Auxiliary contact	1
2CDS200946R0002	S2C-H6-20R	S2C-H6-20R Auxiliary contact	1
2CDS200946R0003	S2C-H6-02R	S2C-H6-02R Auxiliary contact	1
2CDS200909R0001	S2C-A1	S2C-A1 Shunt Trip, 12...60V	1
2CDS200909R0002	S2C-A2	S2C-A2 Shunt Trip, 110...415V	1
2CSS200911R0001	S2C-UA 12 DC	S2C-UA 12 DC Undervoltage release	1
2CSS200911R0002	S2C-UA 24 AC	S2C-UA 24 AC Undervoltage release	1
2CSS200911R0003	S2C-UA 48 AC	S2C-UA 48 AC Undervoltage release	1
2CSS200911R0004	S2C-UA 110 AC	S2C-UA 110 AC Undervoltage release	1
2CSS200911R0005	S2C-UA 230 AC	S2C-UA 230 AC Undervoltage release	1
2CSS200911R0006	S2C-UA 400 AC	S2C-UA 400 AC Undervoltage release	1
2CSS200911R0007	S2C-UA 24 DC	S2C-UA 24 DC Undervoltage release	1
2CSS200911R0008	S2C-UA 48 DC	S2C-UA 48 DC Undervoltage release	1
2CSS200911R0009	S2C-UA 110 DC	S2C-UA 110 DC Undervoltage release	1
2CSS200911R0010	S2C-UA 230 DC	S2C-UA 230 DC Undervoltage release	1
2CSS201997R0013	S2C-CM1	S2C-CM1 Motor operating device	1

2CSS203997R0013	S2C-CM2/3	S2C-CM2/3 Motor operating device	1
2CSS204997R0013	S2C-CM4	S2C-CM4 Motor operating device	1
GHS2001901R0003	S2C-DH	S2C-DH Rotary operating mechanism	1
2CSS200998R0001	S2C-BP	S2C-BP - Mechanical tripping device	1
2CSS200999R0001	S2C-EST	S2C-EST - Plug-in base	1
2CDS200918R0001	S2C-NT	S2C-Nt Hand operated neutral	1
2CCA880100R0001	CMS-100PS	Sensor 18mm, 80A AC, DC, TRMS, mounting for pro M compact & SMISLINE	1
2CCA880101R0001	CMS-101PS	Sensor 18mm, 40A AC, DC, TRMS, mounting for pro M compact & SMISLINE	1
2CCA880102R0001	CMS-102PS	Sensor 18mm, 20A AC, DC, TRMS, mounting for pro M compact & SMISLINE	1



## Ordering

<b>EAN:</b>	4016779507462
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85362010

## Dimensions

<b>Product Net Width:</b>	52.5 mm
<b>Product Net Depth:</b>	69.0 mm
<b>Product Net Height:</b>	88.0 mm
<b>Product Net Weight:</b>	0.375 kg

## Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	92.0 mm
<b>Package Level 1 Length:</b>	58.0 mm
<b>Package Level 1 Height:</b>	80.0 mm
<b>Package Level 1 Gross Weight:</b>	0.400 kg
<b>Package Level 1 EAN:</b>	4016779609166

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +70 °C
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	25g / 2 shocks / 13 ms
<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>Environmental Conditions:</b>	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment
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## Technical

<b>Standards:</b>	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
<b>Number of Poles:</b>	3
<b>Tripping Characteristic:</b>	K
<b>Rated Current (I<sub>n</sub>):</b>	0.50 A
<b>Rated Operational Voltage:</b>	acc. to IEC60947-2 440 V AC
<b>Power Loss:</b>	3.3 W Per Pole 1.1 W
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to IEC/EN 60664-1 440 V

<b>Operational Voltage:</b>	Maximum (incl. tolerance) 125 V DC Maximum (incl. tolerance) 440 V AC Minimum 12 V AC / 12 V DC
<b>Rated Frequency (f):</b>	50 Hz 60 Hz
<b>Rated Short-Circuit Capacity (I<sub>cn</sub>):</b>	6.0 kA
<b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b>	10 kA
<b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>	7.5 kA
<b>Energy Limiting Class:</b>	3
<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV (6.2 kV @ sea level) kV (5.0 kV @ 2000 m) kV
<b>Dielectric Test Voltage:</b>	50 / 60 Hz, 1 min: 2 kV
<b>Housing Material:</b>	Insulation group II, RAL 7035
<b>Actuator Type:</b>	Insulation group II, black, sealable
<b>Actuator Marking:</b>	I / O
<b>Contact Position Indication:</b>	Red ON / Green OFF
<b>Degree of Protection:</b>	IP20
<b>Remarks:</b>	IP40 in enclosure with cover
<b>Electrical Endurance:</b>	20000 AC cycle
<b>Mechanical Endurance:</b>	20000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<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>Tightening Torque:</b>	2.8 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<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>Technical UL/CSA</b>	
<b>Maximum Operating Voltage UL/CSA:</b>	480Y / 277 V AC
<b>Connecting Capacity UL/CSA:</b>	Busbar 18 ... 8 AWG Conductor 18 ... 4 AWG
<b>Tightening Torque UL/CSA:</b>	25 in·lb
<b>Interrupting Rating acc. to UL1077:</b>	6 kA
<b>Certificates and Declarations (Document Number)</b>	
<b>Declaration of Conformity - CE:</b>	2CDK403001D0602
<b>RoHS Information:</b>	2CDK400003K0201
<b>Classifications</b>	
<b>E-number:</b>	2100722
<b>ETIM 4.0:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 5.0:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>Object Classification Code:</b>	F

