

# S202-C10



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

Parts & Services Drives Medium voltage AC drives Special purpose drives ACS1000

Parts & Services Drives Medium voltage AC drives Special purpose drives ACS5000

## General Information

<b>Extended Product Type:</b>	S202-C10
<b>Product ID:</b>	2CDS252001R0104
<b>EAN:</b>	4016779465700
<b>Catalog Description:</b>	Miniature Circuit Breaker - S200 - 2P - C
<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.

## Additional Information

<b>Actuator Material:</b>	Insulation Group II, Black, Sealable
<b>Actuator Type:</b>	Insulation group II, black, sealable
<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +70 °C
<b>Built-In Depth (t<sub>2</sub>):</b>	69 mm
<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>Connecting Capacity UL/CSA:</b>	Busbar 18-8 AWG Conductor 18-4 AWG
<b>Contact Position Indication:</b>	Red ON / Green OFF
<b>Country of Origin:</b>	Germany (DE)
<b>Customs Tariff Number:</b>	85362010
<b>Data Sheet, Technical Information:</b>	2CDC002157D0102
<b>Declaration of Conformity - CE:</b>	2CDK403001D0604
<b>Degree of Protection:</b>	IP20
<b>Dielectric Test Voltage:</b>	50 / 60 Hz, 1 min: 2 kV
<b>E-number:</b>	2100556
<b>EAN:</b>	4016779465700
<b>EPLAN Catalog Tree:</b>	Electrical engineering / Protection devices / General
<b>EPLAN Function Definition:</b>	Circuit breaker / Double circuit-breaker / Double circuit breaker 1_2_3_4
<b>EPLAN Macro:</b>	9AKK106713A8105
<b>ETIM 4:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 6:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>Electrical Endurance:</b>	20000 AC cycle
<b>Energy Limiting Class:</b>	3
<b>Environmental Conditions:</b>	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

<b>Environmental Information:</b>	2CDK400030D0201
<b>Frequency (f):</b>	50 Hz
<b>Housing Material:</b>	Insulation Group II, RAL 7035
<b>Industrial IT Certification Level:</b>	0
<b>Installation Size:</b>	acc. to DIN 43880 1
<b>Instructions and Manuals:</b>	2CSC400002D0208
<b>Interrupting Rating acc. to UL1077:</b>	(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA
<b>Invoice Description:</b>	S202-C 10 Mini Circuit Breaker C-Char.,6kA,10A,2P
<b>Maximum Operating Voltage UL/CSA:</b>	110 V DC 480Y/277 V AC
<b>Mechanical Endurance:</b>	20000 cycle
<b>Minimum Order Quantity:</b>	1 piece
<b>Mounting Position:</b>	Any
<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>Number of Poles:</b>	2
<b>Number of Protected Poles:</b>	2
<b>Object Classification Code:</b>	F
<b>Operational Voltage:</b>	Maximum (Incl. Tolerance) 125 V DC Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Maximum 125 V DC Minimum 12 V AC Minimum 12 V DC
<b>Overvoltage Category:</b>	III
<b>Package Level 1 EAN:</b>	4016779608343
<b>Package Level 1 Gross Weight:</b>	1.3 kg
<b>Package Level 1 Height:</b>	80 mm
<b>Package Level 1 Length:</b>	183 mm
<b>Package Level 1 Units:</b>	5 piece
<b>Package Level 1 Width:</b>	92 mm
<b>Package Level 2 EAN:</b>	4016779972277
<b>Package Level 2 Gross Weight:</b>	14.8 kg
<b>Package Level 2 Height:</b>	210 mm
<b>Package Level 2 Length:</b>	395 mm
<b>Package Level 2 Units:</b>	60 piece
<b>Package Level 2 Width:</b>	275 mm
<b>Part Type:</b>	New
<b>Pole Net Weight:</b>	0.115 kg
<b>Pollution Degree:</b>	3
<b>Power Loss:</b>	4.2 W at Rated Operating Conditions per Pole 2.1 W
<b>Power Supply Connection:</b>	Arbitrary
<b>Product Main Type:</b>	S200
<b>Product Name:</b>	Miniature Circuit Breaker
<b>Product Net Depth:</b>	69 mm
<b>Product Net Height:</b>	88 mm
<b>Product Net Weight:</b>	0.25 kg
<b>Product Net Width:</b>	35 mm

<b>Product Range:</b>	S200
<b>Rated Current (I<sub>n</sub>):</b>	10 A
<b>Rated Frequency (f):</b>	50 Hz 60 Hz
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to IEC/EN 60664-1 440 V
<b>Rated Operational Voltage:</b>	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
<b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>	(230 V AC) 15 kA
<b>Rated Short-Circuit Capacity (I<sub>cn</sub>):</b>	(400 V AC) 6 kA
<b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b>	(230 V AC) 20 kA (440 V AC) 10 kA
<b>Rated Voltage (U<sub>r</sub>):</b>	400 V AC
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Reference Ambient Air Temperature:</b>	30 °C
<b>Remarks:</b>	IP40 in enclosure with cover
<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>RoHS Date:</b>	0335
<b>RoHS Information:</b>	2CDK400003K0201
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<b>Selling Unit of Measure:</b>	piece
<b>Short Description:</b>	S202-C 10 Mini Circuit Breaker
<b>Standards:</b>	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
<b>Technical Information:</b>	S202-C10
<b>Terminal Type:</b>	Screw Terminals
<b>Tightening Torque:</b>	2.8 N·m
<b>Tightening Torque UL/CSA:</b>	25 in·lb
<b>Tripping Characteristic:</b>	C
<b>UNSPSC:</b>	39121614
<b>Width in Number of Modular Spacings:</b>	2
<b>eClass:</b>	7.0 27141901
<b>Accessories Available:</b>	Yes

#### Accessories

32 Products

Filter

Identifier	Description	Type	Qty	Unit Of Measure
2CCA880100R0001	Strom-Messsystem Sensor CMS-100PS 80A, 18mm für pro M compact u. SMISSLINE	CMS-100PS	1	piece
2CCA880101R0001	Strom-Messsystem Sensor CMS-101PS 40A, 18mm für pro M compact u. SMISSLINE	CMS-101PS	1	piece
2CCA880102R0001	Strom-Messsystem Sensor CMS-102PS 20A, 18mm für pro M compact u. SMISSLINE	CMS-102PS	1	piece

## SMISSLINE

Code	Description	Type	Qty	Unit Of Measure
2CDS200909R0001	Arbeitsstromauslöser	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 - Arbeitsstromauslöser	S2C-A2	1	piece
2CDS200912R0001	S2C-H6R - Hilfskontakt	S2C-H6R	1	piece
2CDS200918R0001	S2C-NT - Manueller Neutralleiter	S2C-NT	1	piece
2CDS200922R0001	S2C-S/H6R - Signalkontakt / Hilfsschalter	S2C-S/H6R	1	piece
2CDS200936R0001	S2C-H11L - Hilfskontakt	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L - Hilfskontakt	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L - Hilfskontakt	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R - Hilfsschalter	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R - Hilfskontakt	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R - Hilfskontakt	S2C-H6-02R	1	piece
2CDS200970R0001	S2C-H01 - Hilfskontakt	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 - Hilfskontakt	S2C-H10	1	piece
2CSS200911R0001	S2C-UA 12 DC - Unterspannungsauslöser	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC - Unterspannungsauslöser	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC - Unterspannungsauslöser	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC - Unterspannungsauslöser	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC - Unterspannungsauslöser	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC - Unterspannungsauslöser	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC - Unterspannungsauslöser	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC - Unterspannungsauslöser	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC - Unterspannungsauslöser	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC - Unterspannungsauslöser	S2C-UA 230 DC	1	piece
2CSS200998R0001	S2C-BP - Mechanischer Auslöser	S2C-BP	1	piece
2CSS200999R0001	S2C-EST - Stecksockel	S2C-EST	1	piece
2CSS201997R0013	S2C-CM1 - Motorantrieb	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 - Motorantrieb	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 - Motorantrieb	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH - Antrieb	S2C-DH	1	piece

Where Used (as a spare part for "Products")

**2 Products**

Filter

Identifier	Description	Qty	Unit Of Measure
ACS 1000	No Description Available	1	piece
ACS 5000 Water Cooled	No Description Available	1	piece

Product specific part data

**2 Products**

Filter

Product	Category	Drive Part Category
ACS 1000	ACS1000	Switches, Relays, Contactors
ACS 5000 Water Cooled	ACS5000	Switches, Relays, Contactors

