CATALOG

S200C

Compact size, stronger protection

- Compact solution: Saves 50% more space in installation
- Easy to install: Flexible supply, connection and combination and easy mounting and dismounting operation
- Versatile: Wide range with different quality approvals to cover many different applications including also marine and traction segments

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S200C

Compact Miniature Circuit Breaker

The S200C MCBs are designed with precision to optimize space efficiency in installations, making them an excellent choice for a variety of applications. This versatile series includes configurations of 1P+1P in 1M, 2P in 1M with breaking capacities ranging from 4.5kA to 10kA, effectively addressing the requirements of residential, industrial, marine, and traction sectors.

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Benefits for the customers

Space Saving

The innovative slim design optimizes valuable installation space, making it ideal for the constrained environments of marine and railway applications while ensuring reliable performance.

Sustainability

This innovative solution promotes sustainability by optimizing energy efficiency and minimizing material waste, significantly contributing to sustainable operations.

Robusteness

The dedicated transportation version is built with V0 R26/HL3 and R22/ HL3 materials, ensuring exceptional durability and resilience, meeting IEC/ EN 61373 standards for harsh environments.

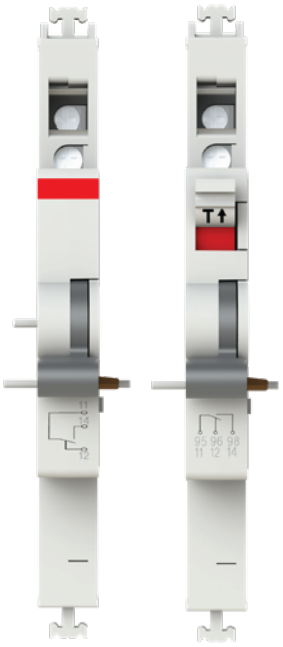
Performance

With a breaking capacity up to 10kA, the S200C ensures outstanding performance and reliability, providing robust protection in demanding marine and railway conditions.

S200C
Product Series

1P+1P
1 module

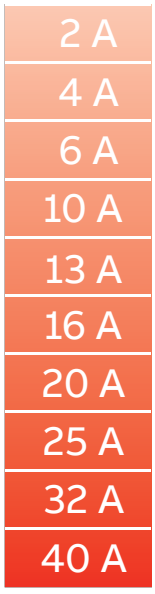
2P
1 module



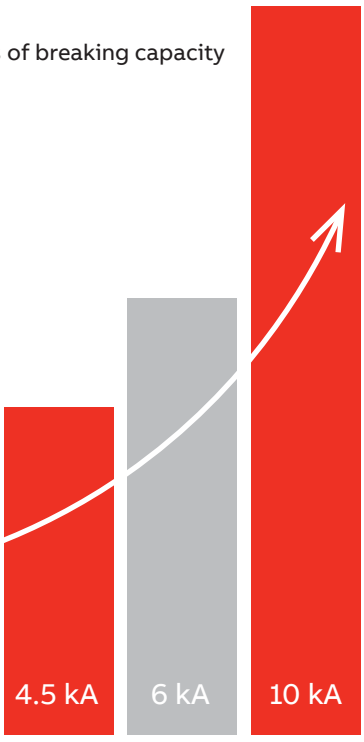
Auxiliary SCC
auxiliary contact
and signal contact

- **S2011C: 1P+1P in 1M** - 6 kA braking capacity, B and C char up to 20 A.
- **S202C: 2P in 1M** - From 4,5 kA to 10 kA breaking capacity, B and C char up to 40 A. Including a dedicated version for traction.
- **SCC-IH6R auxiliary contact, SCC-S6R signal contact**

10 rated current variants



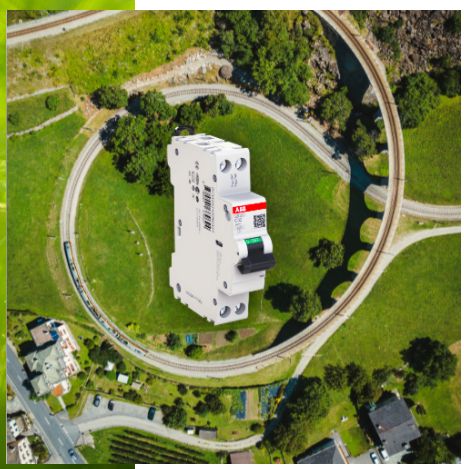
3 levels of breaking capacity



S200C
Sustainable design

The S200C Compact MCBs have been designed to optimize energy efficiency and reduce material waste, contributing to more efficient operations.
The ABB EcoSolutions™ label provides full transparency regarding environmental impacts across the entire product lifecycle. Products within this portfolio comply with key performance indicators defined in ABB's circularity framework and carry an external, third-party verified environmental product declaration (ISO 14025).

At ABB, we assess the environmental impacts of our products throughout their life cycle via externally verified Type III Environmental Product Declarations (EPD), providing credible and reliable information to our customers.
The environmental declaration for the S200C has been obtained using the PEP ecopassport® format. We are committed to evolving our offerings toward enhanced circularity through our ABB Circularity framework.



With a recyclability rate of up to 88,2%, calculated according to EN 45555, the S200C features two protected poles in one module, using 43,2% less material compared to standard devices. Additionally, new information on the sustainability impact is easily accessible through a QR code on the device, ensuring our customers have trasparency at their fingertips.

The S200C Compact range is entirely produced at one of our Mission to Zero™ facilities in Santa Palomba, Italy. Bringing together technlogies using ABB digital solitions and renewable energy, ABB's Mission to Zero increases efficiency and reducing emissions at our sites.

43%
Less material compared to standard devices

88%
Recyclability rate calculated according to EN 45555

S200C
Product features

Easy to install
Supply possible either from top or bottom side, with cables or busbars.
All screws are on the same level for a fast and easy installation

Guaranteed security
Indication of the contacts status with I-0N/0-OFF indication in green/red on the toggle

Dedicated space for QR code
With relevant product information

High performance clips
To facilitate the mounting and dismounting operation, guaranteeing an easy removal from a battery of device supplied with busbars

Laser printed information
Main technical information and product code are laser printed on the front side, visible also when the device is installed

Combination with accessories
Possibility to mount signal and auxiliary contacts on either the right or left side, ensuring compatibility with all System Pro M compact accessories thanks to the SCC-IH6R(L) and S6R (L).

A space-saving design is featured on the S200C, which is designed for applications with limited space, such as marine and traction environments. Its innovative compactness allows for efficient installation without compromising performance, making it the ideal choice for demanding environments. The following Certificates are available: IMQ, NF, KEMA, IRAM, VDE, CEBEC, LR, RINA, RCM, AENOR, CCC

S2011C
Technical Features

				S2011C
Standards				IEC/EN 60898-1
Electrical features	Number of poles			1P+1P
	Number of modules			1M
	Tripping Characteristic			B, C
	Rated current I_n		A	$6 \le I_n \le 20$
	Rated operational voltage U_e (for each pole)		V	240
	Rated insulation voltage U_i acc. to IEC/EN 60664-1		V	500 V AC
	Overvoltage category			III
	Pollution degree			2
	Rated frequency f		Hz	50/60
	Min operating voltage		V AC/DC	12
	Max operating voltage		V AC V DC	264 48
	Rated short-circuit capacity acc. to IEC/EN 60898-1	I_{cn}	A	6000
	Rated short circuit breaking capacity acc. to IEC/EN 60947-2 (only referring to internal short circuit test)	ultimate I_{cu}	kA	6
		service I_{cs}	kA	6
	Rated breaking capacity Icn1 acc. to IEC/EN 60898-1	I_{cn1}	A	6000
	Rated short circuit breaking capacity acc. to IEC/EN 60947-2 in DC (only referring to internal short circuit test, tc 4ms)	ultimate I_{cu}	kA	6 kA @ 48 VDC
	Grid distance		mm	35
	Rated impulse withstand voltage (1.2/50µs) U_{imp}		kV	4 kV
	Dielectric test voltage at ind. freq. for 1 min.		kV	2.5 kV (50 / 60Hz, 1 min.)
	Energy limiting class			3
Mechanical features	Housing type			Insulation group I, RAL 7035
	Toggle type			Insulation group II, Black RAL 9005, sealable in ON-OFF positions
	Electrical endurance		cycles (OFF-ON-OFF)	7000
	Mechanical endurance		cycles (OFF-ON-OFF)	7000
	Contact position indication (CPI)			Marking on toggle (I ON / 0 OFF)
	Protection degree acc. to EN 60529	housing		IP40
		terminals		IP20
	Resistance to Shock acc. to IEC 60068-2-27			40 g (x,y,z) - 18 shocks - 5ms half sinusoidal
	Resistance to Vibrations acc. to IEC 60068-2-6			0.35 mm or 5g - 20 cycles at 5…150…5 Hz
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		°C/RH	28 cycles with 55 °C/90–96 % and 25 °C/95–100 %
	Reference temperature for tripping characteristics		°C	30
	Ambient temperature (with daily average ≤ +35 °C)		°C	-25…+55
	Storage temperature		°C	-40…+70
Installation	Terminal type	top / bottom		Fail-safe cage terminal
	Cross-section of conductors (Solid/ Stranded)	top / bottom	mm^2	16/16
	Cross-section of conductors (Flexible)	top / bottom	mm^2	10/10
	Cross-section of busbars	top / bottom	mm^2	10/10
	Tightening torque	top / bottom	Nm	1,2 (min 0,8)
	Wire Stripping Length		mm	10
	Ferrule with collar		mm^2	1...6
	Ferrule without collar		mm^2	1...6
	Screwdriver			No. 2 Pozidrive
	Mounting type			on DIN rail EN 60715 (35 mm) by means of mounting clip
	Mounting position			Vertical & Horizontal
	Supply from			Top/Bottom terminals
Dimensions and weight	Dimensions (H×D×W)		mm	85 x 69 x 17,6 mm
	Weight		g	120
Combination with auxiliary elements	Combinable with accessories and auxiliaries			YES, SCC-IH6R, SCC-S6R

S2011C
Ordering Data

S2011C: 1P+1P in 1M

Function: protection and control of the circuits against overloads and short-circuits
Applications: residential, commercial Standard: IEC/EN 60898-1

S2011C

Number of poles	Breaking capacity	Tripping Char.	Rated Current In A	Bbn 8012542 EAN	Order details		Weight 1 piece kg	Pack unit pc.
					Type code	Order code		
1P + 1P	6kA	B	6	731757	S2011C-B6	2CSS257420R0065	0,120	6
			10	731856	S2011C-B10	2CSS257420R0105	0,120	6
			16	732051	S2011C-B16	2CSS257420R0165	0,120	6
			20	732150	S2011C-B20	2CSS257420R0205	0,120	6
		C	6	732556	S2011C-C6	2CSS257420R0064	0,120	6
			10	732655	S2011C-C10	2CSS257420R0104	0,120	6
			16	732853	S2011C-C16	2CSS257420R0164	0,120	6
			20	732952	S2011C-C20	2CSS257420R0204	0,120	6

S202C
Technical Features

				S202C L	S202C	S202C M
Standards					IEC/EN 60898-1	
Electrical features	Number of poles			2P	2P	2P
	Number of modules			1M	1M	1M
	Tripping Characteristic			B, C	B, C	B, C
	Rated current I_n		A	$2 \le I_n \le 40$	$2 \le I_n \le 40$	$2 \le I_n \le 32$
	Rated operational voltage U_e		V	240	240	240
	Rated insulation voltage U_i acc. to IEC/EN 60664-1		V	500 V AC	500 V AC	500 V AC
	Overvoltage category			III	III	III
	Pollution degree			2	2	2
	Rated frequency f		Hz	50/60	50/60	50/60
	Min operating voltage		V AC/DC	12	12	12
	Max operating voltage		V AC V DC	253 110	253 110	253 110
	Rated short-circuit capacity acc. to IEC/EN 60898-1	I_{cn}	A	4500	6000	10000
	Rated short circuit breking capacity acc. to IEC/EN 60947-2 (only referring to internal short circuit test)	ultimate I_{cu}	kA	4.5	10	10
		service I_{cs}	kA	4.5	6	7.5
	Rated breaking capacity Icn1 acc. to IEC/EN 60898-1	I_{cn1}	A	4500	6000 (4500 for 40A)	6000
	Rated short circuit breaking capacity acc. to IEC/EN 60947-2 in DC (only referring to internal short circuit test, tc 4ms)	ultimate I_{cu}	kA	4.5 kA @ 110 VDC	6 kA @ 110 VDC	-
	Grid distance		mm	35	35	60
	Rated impulse withstand voltage (1.2/50µs) U_{imp}		kV	4 kV	4 kV	4 kV
	Dielectric test voltage at ind. freq. for 1 min.		kV	2.5 kV (50 / 60Hz, 1 min.)	2.5 kV (50 / 60Hz, 1 min.)	2.5 kV (50 / 60Hz, 1 min.)
	Energy limiting class				3	
Mechanical features	Housing type				Insulation group I, RAL 7035	
	Toggle type				Insulation group II, Black RAL 9005, sealable in ON-OFF positions	
	Electrical endurance		cycles (OFF-ON-OFF)		7000	
	Mechanical endurance		cycles (OFF-ON-OFF)		7000	
	Contact position indication (CPI)				Marking on toggle (I ON / 0 OFF)	
	Protection degree acc. to EN 60529	housing			IP40	
		terminals			IP20	
	Resistance to Shock acc. to IEC 60068-2-27				40 g (x,y,z) - 18 shocks - 5 ms half sinusoidal	
	Resistance to Vibrations acc. to IEC 60068-2-6				0.35 mm or 5 g - 20 cycles at 5…150…5 Hz	
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		°C/RH		28 cycles with 55 °C/90–96 % and 25 °C/95–100 %	
	Reference temperature for tripping characteristics		°C		30	
	Ambient temperature (with daily average ≤ +35 °C)		°C		-25…+55	
	Storage temperature		°C		-40…+70	
Installation	Terminal type	top / bottom			Fail-safe cage terminal	
	Cross-section of conductors (Solid/ Stranded)	top / bottom	mm^2		16/16	
	Cross-section of conductors (Flexible)	top / bottom	mm^2		10/10	
	Cross-section of busbars	top / bottom	mm^2		10/10	
	Tightening torque	top / bottom	Nm		1,2 (min 0,8)	
	Wire Stripping Length		mm		10	
	Ferrule with collar		mm^2		1…6	
	Ferrule without collar		mm^2		1…6	
	Screwdriver				No. 2 Pozidrive	
	Mounting type				on DIN rail EN 60715 (35 mm) by means of mounting clip	
	Mounting position				Vertical & Horizontal	
	Supply from				Top/Bottom terminals	
Dimensions and weight	Dimensions (H×D×W)		mm		85 x 69 x 17,6	
	Weight		g		125	
Combination with auxiliary elements	Combinable with accessories and auxiliaries				YES, SCC-IH6R, SCC-S6R	

S202C
Ordering Data

S202C: 2P in 1M

Function: protection and control of the circuits against overloads and short-circuits
Applications: residential, commercial
Standard: IEC/EN 60898-1

S202CM

Number of poles	Breaking capacity	Tripping Char.	Rated Current I_n A	Bbn 8012542 EAN	Order details Type code	Order details Order code	Weight 1 piece kg	Pack unit pc.
2P	4,5kA	C	2	733058	S202CL-C2	2CSS242420R0024	0,125	6
			4	733157	S202CL-C4	2CSS242420R0044	0,125	6
			6	733256	S202CL-C6	2CSS242420R0064	0,125	6
			10	733355	S202CL-C10	2CSS242420R0104	0,125	6
			16	733454	S202CL-C16	2CSS242420R0164	0,125	6
			20	733553	S202CL-C20	2CSS242420R0204	0,125	6
			25	733652	S202CL-C25	2CSS242420R0254	0,125	6
			32	733751	S202CL-C32	2CSS242420R0324	0,125	6
			40	733850	S202CL-C40	2CSS242420R0404	0,125	6
	6kA	B	2	733959	S202C-B2	2CSS252420R0025	0,125	6
			4	734055	S202C-B4	2CSS252420R0045	0,125	6
			6	734154	S202C-B6	2CSS252420R0065	0,125	6
			10	734253	S202C-B10	2CSS252420R0105	0,125	6
			13	734352	S202C-B13	2CSS252420R0135	0,125	6
			16	734451	S202C-B16	2CSS252420R0165	0,125	6
			20	734550	S202C-B20	2CSS252420R0205	0,125	6
			25	734659	S202C-B25	2CSS252420R0255	0,125	6
			32	734758	S202C-B32	2CSS252420R0325	0,125	6
			40	734857	S202C-B40	2CSS252420R0405	0,125	6
		C	2	734956	S202C-C2	2CSS252420R0024	0,125	6
			4	735052	S202C-C4	2CSS252420R0044	0,125	6
			6	735151	S202C-C6	2CSS252420R0064	0,125	6
			10	735250	S202C-C10	2CSS252420R0104	0,125	6
			13	735359	S202C-C13	2CSS252420R0134	0,125	6
			15	735458	S202C-C15	2CSS252420R0154	0,125	6
			16	735557	S202C-C16	2CSS252420R0164	0,125	6
			20	735656	S202C-C20	2CSS252420R0204	0,125	6
			25	735755	S202C-C25	2CSS252420R0254	0,125	6
			32	735854	S202C-C32	2CSS252420R0324	0,125	6
			40	735953	S202C-C40	2CSS252420R0404	0,125	6
	10kA	B	2	737056	S202CM-B2	2CSS272420R0025	0,125	6
			4	737155	S202CM-B4	2CSS272420R0045	0,125	6
			6	737254	S202CM-B6	2CSS272420R0065	0,125	6
			10	737353	S202CM-B10	2CSS272420R0105	0,125	6
			13	737452	S202CM-B13	2CSS272420R0135	0,125	6
			16	737551	S202CM-B16	2CSS272420R0165	0,125	6
			20	737650	S202CM-B20	2CSS272420R0205	0,125	6
			25	737759	S202CM-B25	2CSS272420R0255	0,125	6
			32	737858	S202CM-B32	2CSS272420R0325	0,125	6
		C	2	736059	S202CM-C2	2CSS272420R0024	0,125	6
			4	736158	S202CM-C4	2CSS272420R0044	0,125	6
			6	736257	S202CM-C6	2CSS272420R0064	0,125	6
			10	736356	S202CM-C10	2CSS272420R0104	0,125	6
			13	736455	S202CM-C13	2CSS272420R0134	0,125	6
			15	736554	S202CM-C15	2CSS272420R0154	0,125	6
			16	736653	S202CM-C16	2CSS272420R0164	0,125	6
			20	736752	S202CM-C20	2CSS272420R0204	0,125	6
			25	736851	S202CM-C25	2CSS272420R0254	0,125	6
			32	736950	S202CM-C32	2CSS272420R0324	0,125	6

S202TC
Technical features

S 202 TC

				S 202 TC
General data	Standards			IEC/EN 60898-1
	Number of poles			2P
	Number od modules			1
	Tripping Characteristic			B, C
	Rated current In		A	2 ≤ In ≤ 32
	Rated voltage Ue		V	240
	Insulation voltage Ui		V	500 V AC
	Overvoltage category			III
	Pollution degree			2
	Rated frequency		Hz	50/60
	Min operating voltage		V AC/DC	12
	Max operating voltage		V	253
	Rated breaking capacity acc. to IEC/EN 60898-1	Icn	A	6000
	Rated breaking capacity acc. to IEC/EN 60947-2 (only referring to internal short circuit test)	ultimate Icu	kA	6
		service Ics	kA	6
	Rated breaking capacity Icn1 acc. to IEC/EN 60898-1	Icn1	A	6000
	Rated breaking capacity acc. to IEC/EN 60947-2 in DC (only referring to internal short circuit test, poles connected in series, tc 4ms)	ultimate Icu	kA	6 kA @ 110 VDC
	Rated impulse withstand voltage (1.2/50) Uimp		kV	4 kV
	Dielectric test voltage at ind. freq. for 1 min.		kV	2.5 kV (50 / 60Hz, 1 min.)
	Grid distance		mm	35
	Energy limiting class			3
Mechanical features	Housing			Insulation group I, RAL 7035
	Toggle			Insulation group II, Black RAL 9005, sealable in ON-OFF positions
	Electrical life		operations	7000
	Mechanical life		operations	7000
	Protection degree acc. to EN 60529	housing		IP40
		terminals		IP20
	Shock resistance acc. to IEC/EN 60068-2-27			40 g (x,y,z) - 18 shocks - 5 ms half sinusoidal
	Vibration resistance acc. to IEC/EN 60068-2-6			0.35 mm or 5 g - 20 cycles at 5…150…5 Hz
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		°C/RH	28 cycles with 55 °C/90–96 % and 25 °C/95–100 %
	Reference temperature for setting of thermal element		°C	30
	Ambient temperature (with daily average ≤ +35 °C)		°C	-25…+55
	Storage temperature		°C	-40...+70
Installation	Terminal type	top / bottom		Fail-safe terminals, bidirectional cylinder-lift terminal (shock protected)
	Terminal size for cables	top / bottom	mm^2	10 flexible /16 rigid top & bottom
	Terminal size for busbars	top / bottom	mm^2	10/10
	Tightening torque	top / bottom	Nm	1,2 (min 0,8)
	Stripping length of the cable		mm	10
	Ferrule with collar		mm^2	1...6
	Ferrule without collar		mm^2	1...6
	Mounting			on DIN rail EN 60715 (35 mm) by means of mounting clip
	Mounting position			Vertical & Horizontal
	Supply from			Top/Bottom terminals
Dimensions and weight	Dimensions (H×D×W)		mm	86×70×17.8
	Weight		g	125
Combination with auxiliary elements	Combinable with accessories and auxiliaries			YES, SCC-IH6R, SCC-IH6L

S202TC
Ordering Data

S202 TC: 2P in 1M for traction

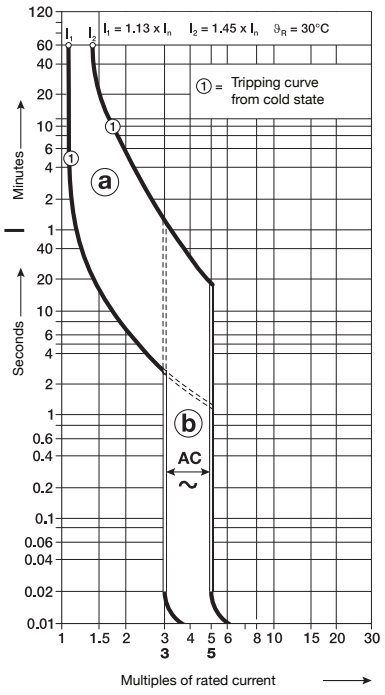
Function: protection and control of the circuits against overloads and short-circuits
Applications: traction
Standard: IEC/EN 60898-1
Plastic material acc. to UL94 and IEC/EN 60695-11-10: V0
Classification according to EN 45545-1:2013 and EN 45545-2:2013+A1:2015: R26/HL3, R22/HL3
Shocks and vibrations according to standard IEC/ EN 61373: Category 1, class B

N. poles	Breaking capacity	Tripping Char.	Rated Current In A	Bbn 8012542 EAN	Order details		Weight 1 piece kg	Pack unit pc.
					Type code	Order code		
2P	6kA	B	2	740353	S202TC-B2	2CSS252421R0025	0,125	6
			4	740452	S202TC-B4	2CSS252421R0045	0,125	6
			6	740551	S202TC-B6	2CSS252421R0065	0,125	6
			10	740650	S202TC-B10	2CSS252421R0105	0,125	6
			16	740759	S202TC-B16	2CSS252421R0165	0,125	6
			20	740858	S202TC-B20	2CSS252421R0205	0,125	6
			25	740957	S202TC-B25	2CSS252421R0255	0,125	6
			32	741053	S202TC-B32	2CSS252421R0325	0,125	6
		C	2	741152	S202TC-C2	2CSS252421R0024	0,125	6
			4	741251	S202TC-C4	2CSS252421R0044	0,125	6
			6	741350	S202TC-C6	2CSS252421R0064	0,125	6
			10	741459	S202TC-C10	2CSS252421R0104	0,125	6
			16	741558	S202TC-C16	2CSS252421R0164	0,125	6
			20	741657	S202TC-C20	2CSS252421R0204	0,125	6
			25	741756	S202TC-C25	2CSS252421R0254	0,125	6
			32	741855	S202TC-C32	2CSS252421R0324	0,125	6

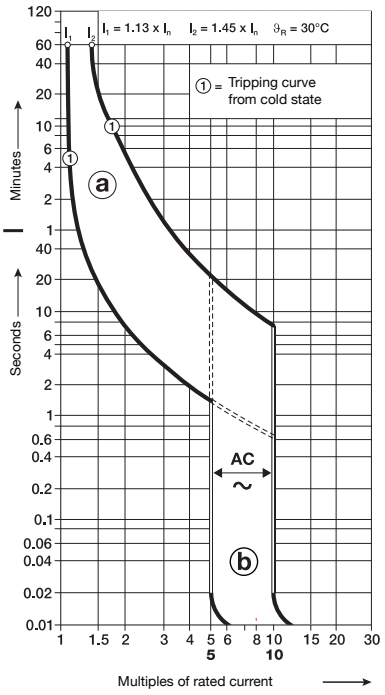
S200C
Tripping Characteristics

Tripping characteristics S200C

Characteristic B
IEC/EN 60898-1



Characteristic C
IEC/EN 60898-1



ⓐ thermal trip
ⓑ electromagnetic trip

S200C Derating

Performance at different ambient temperature

The bimetal is made of two metal strips. The different temperature co-efficients of the strips deflect the bimetal. The deflection depends on the heat intensity and the duration. The thermal release of the MCB is set to a reference ambient temperature. A deviation of the ambient temperature from the reference temperature leads to a deflection of the bimetal. The tables show the resulting derating of the operating current of the MCB.

Derating of load capability of MCBs

Derating of MCBs load capability takes in consideration 2 factors: ambient temperature and influence of adjacent de

1. Deviating ambient temperature:

The rated value of the current of a miniature circuit-breaker refers to a temperature of 30 °C for characteristics B and C. The following tables contain the derating of load capability of **S200C MCBs** with temperature from -25 °C to 55 °C for the curves B and C. Max. operating current depending on the ambient temperature of a circuit-breaker in load circuit of characteristics type B and C.

S2011C and S202C

B and C char

Rated current I n (A)	Temperature T (°C)										
	-25	-20	-10	0	10	20	25	30	40	50	55
6	7.5	7.4	7.1	6.8	6.6	6.3	6.15	6.0	5.6	5.3	5.1
10	12.8	12.6	12.1	11.6	11.1	10.5	10.2	10.0	9.4	8.7	8.4
13	16.4	16.1	15.5	14.9	14.3	13.6	13.3	13.0	12.2	11.5	11.1
15	18.9	18.6	17.9	17.2	16.5	15.7	15.4	15.0	14.1	13.2	12.7
16	20.2	19.8	19.1	18.4	17.6	16.8	16.4	16.0	15.1	14.1	13.6
20	25.4	24.9	24.0	23.1	22.1	21.1	20.5	20.0	18.9	17.6	17.0
25	30.9	30.4	29.4	28.4	27.3	26.2	25.6	25.0	23.8	22.5	21.8
32	39.3	38.7	37.5	36.2	34.8	33.5	32.7	32.0	30.5	28.8	28.0
40	48.1	47.4	46.0	44.6	43.1	41.6	40.8	40.0	38.4	36.6	35.7

S200C
Influence of adjacent devices

The tripping test according to the product standards is performed with the MCB tested stand alone in free air at reference ambient temperature. If the MCBs are mount ed side by side the heat dissipation of the individual MCB is reduced. This leads to a increased temperature and deflection of the bimetal. The tables show the resulting derating of the operating current of the MCB.

2. Multiply the rated current (equivalent) referring to the new temperature by another factor only in case of presence of several devices installed alongside each other; see table.

Example: S 202 C 16 with T=40 °C

Type of use	Values to use	Formula	Calculation	Result
Load at ambient temperature	I n (amb. t°) -see tables-			I n =15.5 A
Load at ambient temperature with 8 adj. devices	I n (amb. t°) -see tables- Fm (0.77)	I n (amb. t°)x0.77	15.5x0.77	I n =11.94 A

Influent of adjacent devices for S200C series	
Number of devices	Fm
2 or 3	0.9
4 or 5	0.8
6 to 9	0.7
> 10	0.6

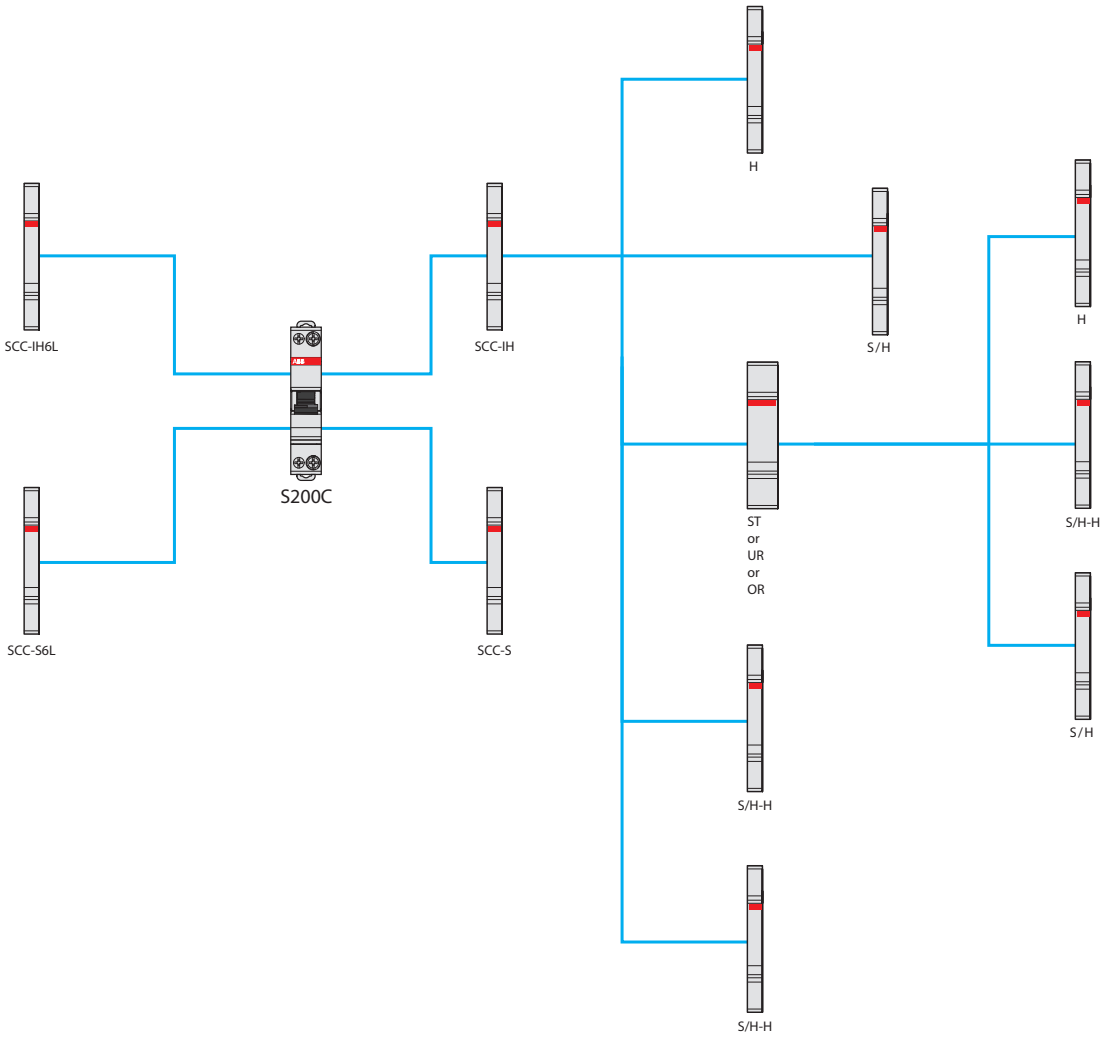
Power loss

Power losses S200C series (per device) in W

In (A)	In (A)	1P+1P	2P
B	2		3.5
	4		3.8
	6	4.5	4.5
	10	2.0	2.0
	13		3.1
	15		4.1
	16	4.6	4.6
	20	5.6	5.6
	25		7.6
	32		8.2
	40		8.5
C	2		2.3
	4		2.6
	6	3.3	3.3
	10	2.5	2.5
	13		2.5
	15		3.3
	16	3.7	3.7
	20	4.9	4.9
	25		5.0
	32		8.2
	40		8.5

Auxiliary elements
Selection guide

Combination of auxiliary elements with S200C



SCC-IH	Auxiliary contact/interface	SCC-IH6R
SCC-S	Signal contact	SCC-S6R
SCC-IHL	Auxiliary contact/interface (left mounting)	SCC-IH6L
SCC-SL	Signal contact (left mounting)	SCC-S6L
H	Auxiliary contact	S2C-H6R
S/H	Signal/auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S3C-UA
OR	Overvoltage release	S2C-OVP
S/H-H	Auxiliary contact-Signal contact/ Auxiliary contact 2CO	S3C-H-S/H6R
S/H-H (H)	Auxiliary contact-Signal contact/ Auxiliary contact 2CO (used as auxiliary contact)	S3C-H-S/H6R

Auxiliary elements

Auxiliary and signal contacts

SCC-IH

SCC-S

Suitable for			S200C, S200TC
	Mounting position		Right side (R) / Left side (L) of S200C
			Vertical & Horizontal
	Dimension	mm	85 x 67.7 x 8.8
	Contact function		1 CO
	Number of contacts		1 aux or 1 signal
	Test button		SCC-IH6R: no; SCC-S6R: yes
	Conventional free air thermal current Ith	A	10
	Minimum operational current / voltage		10mA at 12V AC/DC
			5mA at 24V AC/DC
	Rated short circuit capacity		230V AC 1000A with SN201 C6 415V AC 1000A with S200C C4 230/ 415V AC 1000A with Fuse 10 A gG
	Rated insulation voltage Ui	V	415 V
	Rated impulse withstand voltage Uimp	kV	6
	Pollution degree		3
	Overvoltage category		III
	Cross-section of conductors	mm^2	0.75…2.5
			2 x 1.5
	Tightening torque	Nm	max 1.0
	Wire Stripping Length	mm	10
	Vibration resistance		IEC 60068-2-6 5g, 20 cycles 5…150…5Hz at 24V AC/DC, 5mA short-term interruption <10ms
	Mechanical endurance		6050 switching cycles
	Operation ambient temperature	°C	-25...+55
	Storage temperature	°C	-40…+70
	Standards		IEC 60947-5-1 GB14048.5
	Utilization categories according to IEC 60947-5-1		AC14, 415/ 400 V, 3A AC14, 240/ 230 V, 6A DC12, 220V, 1A DC12, 110V, 1.5A DC13, 60V, 1,5A DC13, 24V, 4A

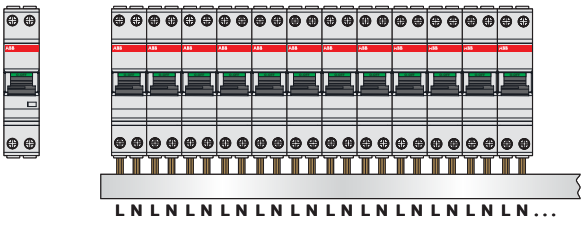
Description	Bbn 4053546	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Adaptor / Auxiliary Contact 1CO	117196	SCC-IH6R	2CDS200933R0002		0.032	1
Signal Contact 1CO	117219	SCC-S6R	2CDS200933R0004		0.032	1
Adaptor / Auxiliary contact 1CO	117073	SCC-IH6L	2CDS200933R0001		0,032	1
Signal Contact 1CO	117103	SCC-S6L	2CDS200933R0003		0,032	1

Busbars and accessories

Selection Guide

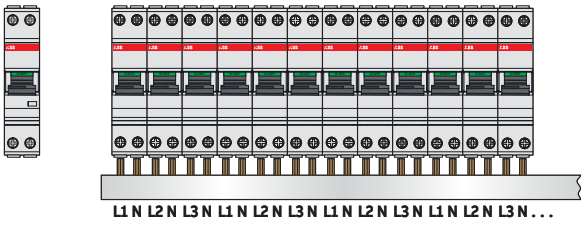
PSc 1/24/10 N
PSc 1/36/10 N
PSc 1/120/10 N

S202C, S202TC



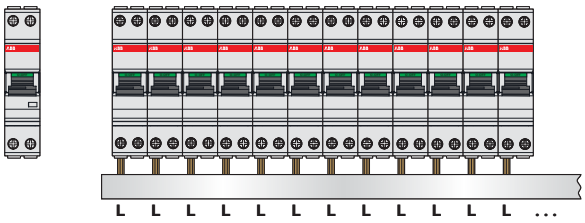
PSc 3/24/10 N
PSc 3/20/10 N
PSc 3/120/10 N

S202C, S202TC



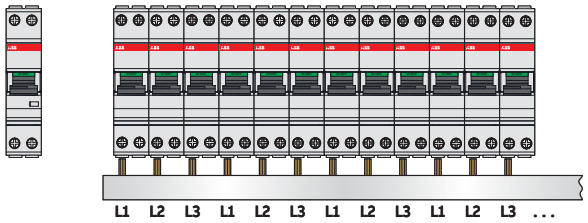
BS9 1/12
BS9 1/56

S202C, S202TC



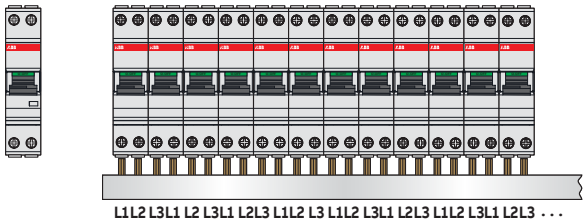
BS9 3/12
BS9 3/57

S202C, S202TC



BB-SU 3/24/10 Bottom
BB-SU 3/112/10 Bottom

S202C, S202TC



Busbars and accessories

Busbars PSc

	PSc Busbars								
	No.of Modules	Phases	mm2	EAN	Type code	Order code	Space for auxiliary	Weight 1 piece	Pack unit
	12	1	10	4053546050516	PSc 1/24/10 N	2CDL210331R1012		0.103	10
	18	1	10	4053546163636	PSc 1/36/10 N	2CDL230331R1018		0.166	10
	57	1	10	4053546050530	PSc 1/114/10 N	2CDL210331R1060		0.511	10
	10	3	10	4053546163513	PSc 3/20/10 N	2CDL230331R1010		0.115	10
	12	3	10	4053546050554	PSc 3/24/10 N	2CDL230331R1012		0.145	10
	57	3	10	4053546050561	PSc 3/114/10 N	2CDL230331R1060		0.725	10
	8	1	10	4053546055221	PSc 1/16/10 NH	2CDL210332R1012	■	0.094	10
	39	1	10	4053546055252	PSc 1/78/10 NH	2CDL210332R1060	■	0.464	10
	8	3	10	4053546055276	PSc 3/16/10 NH	2CDL230332R1012	■	0.12	10
	39	3	10	4053546055290	PSc 3/78/10 NH	2CDL230332R1060	■	0.65	10

Accessories

End Caps

	EAN	Type code	Order code	Weight 1 piece	Pack unit
	4053546051131	PSc-END	2CDL200331R0003	0.015	10

Shock protection Caps

	EAN	Type code	Order code	Weight 1 piece	Pack unit
	4053546051124	BSKc	2CDL200331R0013	0.001	10

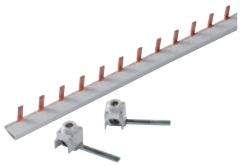
Feeder terminal IP 20

	EAN	Type code	Order code	Weight 1 piece	Pack unit
	4053546143133	AST 25/25 QIR	2CDL200003R2525	0.014	10

Busbars and accessories

Busbars BSN and BF-SN

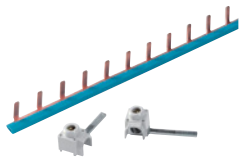
Busbars for S200C range (Maximum rated current 63 A)



BSN+FEED-IN

No. pins	Phases	Cross section	Bbn 8012542	Order details		Weight 1 piece	Pack unit
		mm2	EAN	Type code	Order code	kg	pc.
12	1	10	716150	BSN 1/12	2CSL010001R1012	0.038	50
12	1	10	716259	BSN 1/12 NA	2CSL010101R1012	0.038	50
56	1	10	716358	BSN 1/56	2CSL010001R1056	0.153	50
56	1	10	716457	BSN 1/56 NA	2CSL010101R1056	0.153	50
12	3	10	716556	BSN 3/12	2CSL010003R1012	0.0805	10
57	3	10	716655	BSN 3/57	2CSL010003R1057	0.402	20

Busbars for F200 and S200C range (Maximum rated current 63 A)



BSN NA+FEED-IN

No. pins	Phases	Cross section	Bbn 8012542	Order details		Weight 1 piece	Pack unit
		mm2	EAN	Type code	Order code	kg	pc.
2 + 10 x 1+N	2	10	716754	BF-SN UP 1N/12	2CSL010011R1012	0.068	20
4 + 8 x 1+N	4	10	716853	BF-SN UP 3N/12	2CSL010013R1012	0.150	20
2 + 10 x 1+N	2	10	716952	BF-SN DOWN 1N/12	2CSL010121R1012	0.068	20
4 + 8 x 1+N	4	10	717058	BF-SN DOWN 3N/12	2CSL010123R1012	0.150	20

Accessories

Feeder Terminal

Conn. capacity mm²	Type of connection	Terminal lug L	Bbn 8012542	Order details		Weight 1 piece	Pack unit
		mm	EAN	Type code	Order code	kg	pc.
25	pin	15	047957	FEED-IN 25/15 1P	2CSL980001R2515	0.010	5
25	pin	30	048053	FEED-IN 25/30 3P	2CSL980001R2530	0.010	5

End caps

Bbn 4012233	Order details		Weight 1 piece	Pack unit
EAN	Type code	Order code	kg	pc.
717157	BSN-END 3P *	2CSL010000R0003	0.001	20

* In combination with BSN 3/57

Busbars and accessories

Busbars BB

Busbars BB for S200C range

No. pins	Phases Supply	Distrib.	mm²	Bbn 4053546 EAN	Order details		Weight 1 piece	Pack unit
					Type code	Order code	kg	pc.
24	3	2P MCBs	10	163650	BB-SU 3/24/10 Bottom	2CDL833141R1024	0.122	20
112	3	2P MCBs	10	163643	BB-SU 3/112/10 Bottom	2CDL833141R1011	0.559	15

Accessories

Feeder Terminal

mm²	Bbn 4053546 EAN	Order details		Weight 1 piece	Pack unit
		Type code	Order code	kg	pc.
25	046748	BB-FS 25/27 Q	2CDL800001R2527	0.015	30

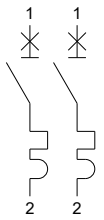
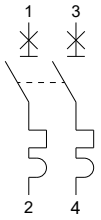
End Caps

mm²	Bbn 5413656 EAN	Order details		Weight 1 piece	Pack unit
		Type code	Order code	kg	pc.
10	505983	BV-END 3.1	2CDB806001R0031	0.001	10

Quick product references

Wiring diagrams and dimensional drawing

MCBs

S2011C	S202C
	

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S2011C and S202C

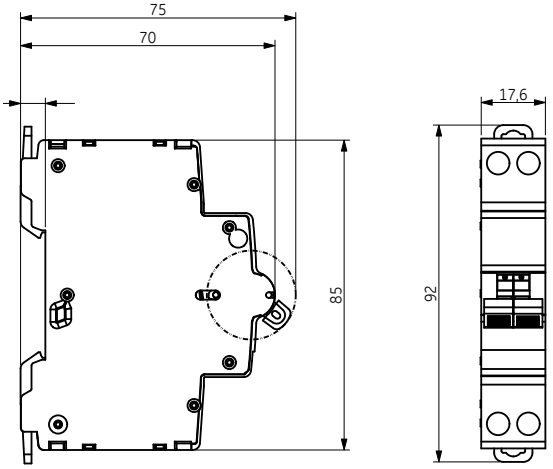

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ABB Electrification
Smart Buildings Division

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