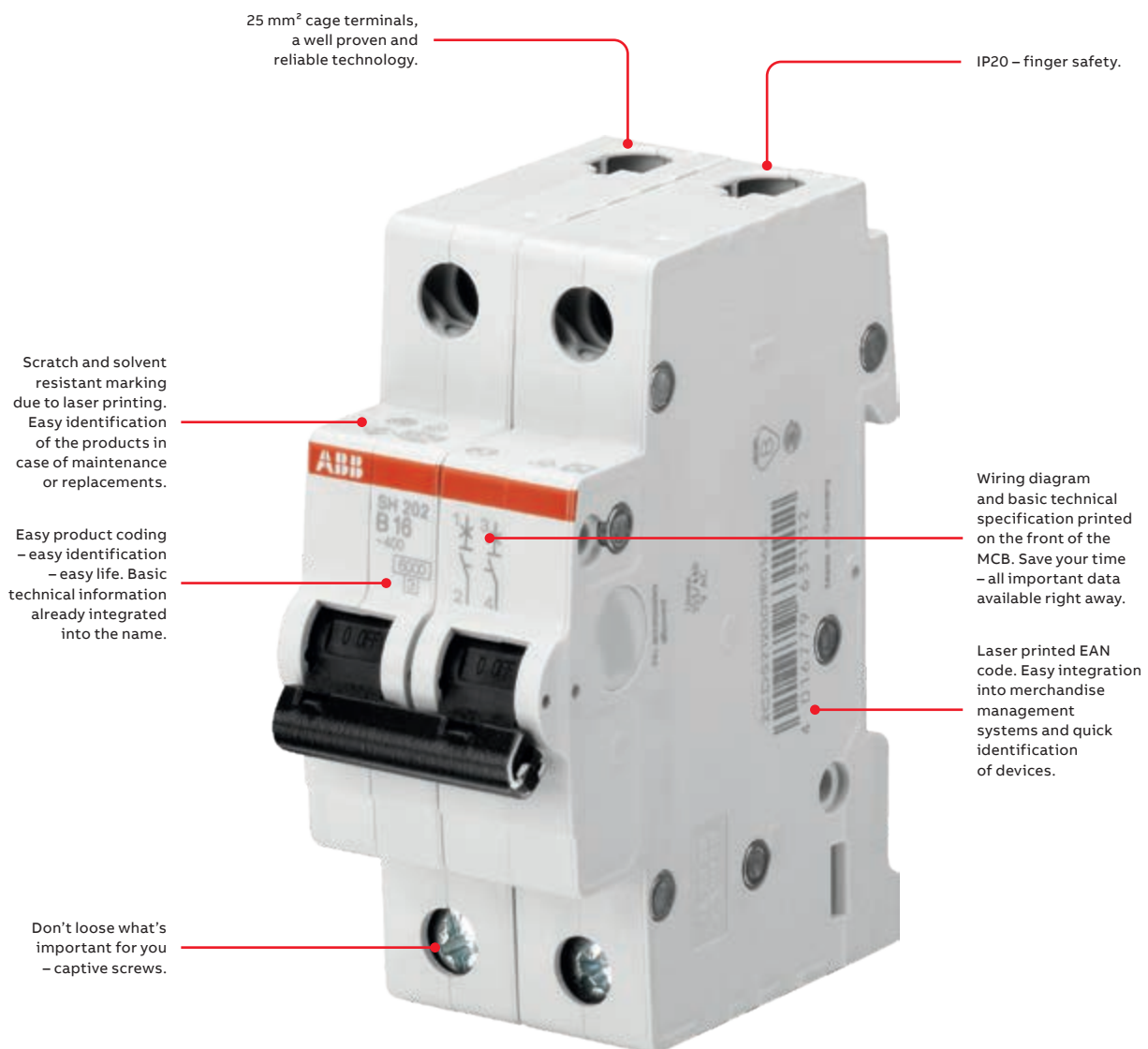


Miniature circuitbreakers SH 200.

The details make the difference

A range designed to ensure efficiency and protection





CPI

All Compact Home MCBs are equipped with a contact position indication (CPI) on the toggle. You can easily identify, if the MCB is in ON or OFF position – easy and safe maintenance work is possible.



Approvals printed on the dome

SH 200 MCBs comply with IEC/EN 60898 and carry all relevant approval marks for each market they are destined to. The certification marks are also printed on the dome of the MCB. Thus make it possible to see the markings also in the mounted position. For control and acceptance procedure – certification marks visible on fitted devices on the side of mounting.



Housing material

By using the state-of-the-art housing material, ABB is taking care of the environment. With the latest generation of thermoplastics it's possible to recycle the MCBs – especially the thermoplastic housing-material can be re-used. By using the latest generation of thermoplastics the material stability of all Compact Home MCBs is improved. Residential MCBs are free of halogens – no environmental pollution.



Laser printing

All printings of the Compact Home MCBs, like the approvals on the dome, the product identification, are printed by a laser. The laser printing ensures a friction, scratch and solvent resistant marking on the MCBs.

Easy identification of the products in case of maintenance or replacements due to safe laser printing.



Connection of SH and S

Compatibility with System pro M compact® is given in all kind of variations like insertion of 1 System pro M compact® MCB (e.g. K-characteristic) into an Installation with Compact Home components and Compact Home busbars. Also the combination of 1 Compact Home MCB with System pro M compact® components and System pro M compact® busbars is not a problem.



Terminals

The Compact Home MCBs are equipped with 25 mm cage terminals, a well proven and reliable technology.

The cross wiring can easily be done by inserting the Compact Home busbars and then the incoming wires into one of the MCB's terminals. The terminals accept Compact Home busbars and conductors up to 16 mm² together.

Technical features table for miniature circuitbreakers SH 200 Series

Standards	
Poles	
Tripping characteristics	
Rated current I_n	A
Rated frequency f	Hz
Rated insulation voltage U_i acc. to IEC/EN 60664-1	V
Overvoltage category	
Pollution degree	
Data acc. to IEC/EN 60898-1	
Rated operational voltage U_n	V
Max. power frequency recovery voltage (U_{max})	V
Min. operating voltage	V
Rated short-circuit capacity I_{cn}	kA
Energy limiting class (B, C up to 40 A)	
Rated impulse withstand voltage $U_{imp.}$ (1.2/50 μ s)	kV
Dielectric test voltage	kV
Reference temperature for tripping characteristics	°C
Electrical endurance	ops.
Mechanical Data	
Housing	
Toggle	
Contact position indication	
Protection degree acc. to EN 60529	
Mechanical endurance	ops.
Shock resistance acc. to IEC/EN 60068-2-27	
Vibration resistance acc. to IEC/EN 60068-2-6	
Environmental conditions (damp heat cyclic) acc. to IEC/EN 60068-2-30	°C/RH
Ambient temperature	°C
Storage temperature	°C
Installation	
Terminal	
Cross-section of conductors (top / bottom)	mm ²
Torque	Nm
Screwdriver	
Mounting	
Mounting position	
Supply	
Dimensions and weight	
Mounting dimensions acc. to DIN 43880	
Pole dimensions (H × D × W)	mm
Pole weight	g
Combination with aux. elements	
Accessories mountable	

* Also fulfilling the requirement acc. to the protection degree IPXXB

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SH 200 M
2CDC021003S0016



—
SH 200
2CSC400030F0027



—
SH 200 L
2CSC400030F0015



—
SH 200 T
2CSC400030F0002



SH 200 M	SH 200	SH 200 L	SH 200 T
			IEC/EN 60898-1
			1P, 2P, 3P, 4P, 1P+N, 3P+N
			B, C, D
			0.5...63 A (C, D), 6...63 A(B)
			50 / 60 Hz
			250 V AC (phase to ground), 440 V AC (phase to phase)
			III
			2
			1P: 230/400 V AC; 1P+N: 230 V AC; 2 ... 4P: 400 V AC; 3P+N: 400 V AC
			1P: 253 V AC; 1P+N: 253 V AC; 2 ... 4P: 440 V AC; 3P+N: 440 V AC
			12 V AC
10 kA	6 kA	4.5 kA	3 kA
			3
			4 kV (test voltage 6.2 kV at sea level, 5 kV at 2,000 m)
			2 kV (50 / 60 Hz, 1 min.)
			B, C, D: 30°C
			$I_n < 32$ A: 20,000 ops (AC), $I_n \geq 32$ A: 10,000 ops. (AC); 1,000 ops. (DC); 1 cycle (2 s – ON, 13 s – OFF, $I_n \leq 32$ A), 1 cycle (2 s – ON, 28 s – OFF, $I_n > 32$ A)
			Insulation group II, RAL 7035
			Insulation group II, black, sealable
			Marking on toggle (I ON / 0 OFF)
			IP20*, IP40 in enclosure with cover
			20,000 ops.
			25 g – 3 shocks – 11 ms
			5 g – 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 I_n
			28 cycles with 55°C/90-96% and 25°C/95-100%
			-25 ... +55°C
			-40 ... +70°C
			Cage Terminal
			25 mm ² / 25 mm ²
			2.0 Nm
			No. 2 Pozidrive
			On DIN rail 35 mm acc. to EN 60715 by fast clip
			any
			optional
			Mounting dimension 1
			85 × 69 × 17.5 mm
			ca. 115 g
			No

Ordering data

MCB SH 200 Series – B characteristic



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SH201-B
2CSC400030F0027



—
SH201-B...NA
2CSC400030F0028



—
SH202-B
2CSC400030F0029

N. of poles	Rated current	N° module	Bbn 4016779	Order details			Weight 1 piece	Pack unit
	In A	[17.5 mm]	EAN	Type code	Order code	Price	kg	
1	6	1	630580	SH201-B6	2CDS211001R0065		0.125	10
	10	1	630610	SH201-B10	2CDS211001R0105		0.125	10
	13	1	630634	SH201-B13	2CDS211001R0135		0.125	10
	16	1	630658	SH201-B16	2CDS211001R0165		0.125	10
	20	1	630672	SH201-B20	2CDS211001R0205		0.125	10
	25	1	630696	SH201-B25	2CDS211001R0255		0.125	10
	32	1	630719	SH201-B32	2CDS211001R0325		0.125	10
	40	1	630733	SH201-B40	2CDS211001R0405		0.125	10
	50	1	698979	SH201-B50	2CDS211001R0505		0.125	10
1+N	63	1	698986	SH201-B63	2CDS211001R0635		0.125	10
	6	2	630818	SH201-B6NA	2CDS211103R0065		0.25	5
	10	2	630849	SH201-B10NA	2CDS211103R0105		0.25	5
	13	2	630863	SH201-B13NA	2CDS211103R0135		0.25	5
	16	2	630887	SH201-B16NA	2CDS211103R0165		0.25	5
	20	2	630900	SH201-B20NA	2CDS211103R0205		0.25	5
	25	2	630924	SH201-B25NA	2CDS211103R0255		0.25	5
	32	2	630948	SH201-B32NA	2CDS211103R0325		0.25	5
	40	2	630962	SH201-B40NA	2CDS211103R0405		0.25	5
2	50	2	699761	SH201-B50NA	2CDS211103R0505		0.25	5
	63	2	699778	SH201-B63NA	2CDS211103R0635		0.25	5
	6	2	631044	SH202-B6	2CDS212001R0065		0.25	5
	10	2	631075	SH202-B10	2CDS212001R0105		0.25	5
	13	2	631099	SH202-B13	2CDS212001R0135		0.25	5
	16	2	631112	SH202-B16	2CDS212001R0165		0.25	5
	20	2	631136	SH202-B20	2CDS212001R0205		0.25	5
	25	2	631150	SH202-B25	2CDS212001R0255		0.25	5
	32	2	631174	SH202-B32	2CDS212001R0325		0.25	5
	40	2	631198	SH202-B40	2CDS212001R0405		0.25	5
	50	2	699747	SH202-B50	2CDS212001R0505		0.25	5
	63	2	699754	SH202-B63	2CDS212001R0635		0.25	5



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SH203-B
2CSC400030F0030



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SH203-B...NA
2CSC400030F0031



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SH204-B
2CSC400030F0032

N. of poles	Rated current	N° module	Bbn 4016779		Order details	Weight 1 piece	Pack unit
	In A	[17.5 mm]	EAN	Type code	Order code	Price	kg
3	6	3	631273	SH203-B6	2CDS213001R0065		0.375
	10	3	631303	SH203-B10	2CDS213001R0105		0.375
	13	3	631327	SH203-B13	2CDS213001R0135		0.375
	16	3	631341	SH203-B16	2CDS213001R0165		0.375
	20	3	631365	SH203-B20	2CDS213001R0205		0.375
	25	3	631389	SH203-B25	2CDS213001R0255		0.375
	32	3	631402	SH203-B32	2CDS213001R0325		0.375
	40	3	631426	SH203-B40	2CDS213001R0405		0.375
	50	3	701280	SH203-B50	2CDS213001R0505		0.375
3+N	63	3	701297	SH203-B63	2CDS213001R0635		0.375
	6	4	631501	SH203-B6NA	2CDS213103R0065		0.5
	10	4	631532	SH203-B10NA	2CDS213103R0105		0.5
	13	4	631556	SH203-B13NA	2CDS213103R0135		0.5
	16	4	631570	SH203-B16NA	2CDS213103R0165		0.5
	20	4	631594	SH203-B20NA	2CDS213103R0205		0.5
	25	4	631617	SH203-B25NA	2CDS213103R0255		0.5
	32	4	631631	SH203-B32NA	2CDS213103R0325		0.5
	40	4	631655	SH203-B40NA	2CDS213103R0405		0.5
4	50	4	702072	SH203-B50NA	2CDS213103R0505		0.5
	63	4	702089	SH203-B63NA	2CDS213103R0635		0.5
	6	4	631730	SH204-B6	2CDS214001R0065		0.5
	10	4	631761	SH204-B10	2CDS214001R0105		0.5
	13	4	631785	SH204-B13	2CDS214001R0135		0.5
	16	4	631808	SH204-B16	2CDS214001R0165		0.5
	20	4	631822	SH204-B20	2CDS214001R0205		0.5
	25	4	631846	SH204-B25	2CDS214001R0255		0.5
	32	4	631860	SH204-B32	2CDS214001R0325		0.5
	40	4	631884	SH204-B40	2CDS214001R0405		0.5
	50	4	702058	SH204-B50	2CDS214001R0505		0.5
	63	4	702065	SH204-B63	2CDS214001R0635		0.5

Ordering data

MCB SH 200 Series – C characteristic



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SH201-C
2CSC400030F0033



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SH201-C...NA
2CSC400030F0034

N. of poles	Rated current	N° module	Bbn 4016779		Order details	Weight 1 piece	Pack unit	
	In A	[17.5 mm]	EAN	Type code	Order code	Price	kg	
1	0.5	1	630757	SH201-C0,5	2CDS211001R0984		0.125	10
	1	1	630535	SH201-C1	2CDS211001R0014		0.125	10
	1.6	1	630740	SH201-C1,6	2CDS211001R0974		0.125	10
	2	1	630542	SH201-C2	2CDS211001R0024		0.125	10
	3	1	630559	SH201-C3	2CDS211001R0034		0.125	10
	4	1	630566	SH201-C4	2CDS211001R0044		0.125	10
	6	1	630573	SH201-C6	2CDS211001R0064		0.125	10
	8	1	630597	SH201-C8	2CDS211001R0084		0.125	10
	10	1	630603	SH201-C10	2CDS211001R0104		0.125	10
	13	1	630627	SH201-C13	2CDS211001R0134		0.125	10
	16	1	630641	SH201-C16	2CDS211001R0164		0.125	10
	20	1	630665	SH201-C20	2CDS211001R0204		0.125	10
	25	1	630689	SH201-C25	2CDS211001R0254		0.125	10
	32	1	630702	SH201-C32	2CDS211001R0324		0.125	10
	40	1	630726	SH201-C40	2CDS211001R0404		0.125	10
	50	1	698993	SH201-C50	2CDS211001R0504		0.125	10
	63	1	699006	SH201-C63	2CDS211001R0634		0.125	10
1+N	0.5	2	630986	SH201-C0,5NA	2CDS211103R0984		0.25	5
	1	2	630764	SH201-C1NA	2CDS211103R0014		0.25	5
	1.6	2	630979	SH201-C1,6NA	2CDS211103R0974		0.25	5
	2	2	630771	SH201-C2NA	2CDS211103R0024		0.25	5
	3	2	630788	SH201-C3NA	2CDS211103R0034		0.25	5
	4	2	630795	SH201-C4NA	2CDS211103R0044		0.25	5
	6	2	630801	SH201-C6NA	2CDS211103R0064		0.25	5
	8	2	630825	SH201-C8NA	2CDS211103R0084		0.25	5
	10	2	630832	SH201-C10NA	2CDS211103R0104		0.25	5
	13	2	630856	SH201-C13NA	2CDS211103R0134		0.25	5
	16	2	630870	SH201-C16NA	2CDS211103R0164		0.25	5
	20	2	630894	SH201-C20NA	2CDS211103R0204		0.25	5
	25	2	630917	SH201-C25NA	2CDS211103R0254		0.25	5
	32	2	630931	SH201-C32NA	2CDS211103R0324		0.25	5
	40	2	630955	SH201-C40NA	2CDS211103R0404		0.25	5
	50	2	699808	SH201-C50NA	2CDS211103R0504		0.25	5
	63	2	699815	SH201-C63NA	2CDS211103R0634		0.25	5



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SH202-C
2CSC400030F0035



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SH203-C
2CSC400030F0036

N. of poles	Rated current	N° module	Bbn 4016779		Order details	Weight 1 piece	Pack unit	
	In A	[17.5 mm]	EAN	Type code	Order code	Price	kg	
2	0.5	2	631211	SH202-C0,5	2CDS212001R0984		0.25	5
	1	2	630993	SH202-C1	2CDS212001R0014		0.25	5
	1.6	2	631204	SH202-C1,6	2CDS212001R0974		0.25	5
	2	2	631006	SH202-C2	2CDS212001R0024		0.25	5
	3	2	631013	SH202-C3	2CDS212001R0034		0.25	5
	4	2	631020	SH202-C4	2CDS212001R0044		0.25	5
	6	2	631037	SH202-C6	2CDS212001R0064		0.25	5
	8	2	631051	SH202-C8	2CDS212001R0084		0.25	5
	10	2	631068	SH202-C10	2CDS212001R0104		0.25	5
	13	2	631082	SH202-C13	2CDS212001R0134		0.25	5
	16	2	631105	SH202-C16	2CDS212001R0164		0.25	5
	20	2	631129	SH202-C20	2CDS212001R0204		0.25	5
	25	2	631143	SH202-C25	2CDS212001R0254		0.25	5
	32	2	631167	SH202-C32	2CDS212001R0324		0.25	5
	40	2	631181	SH202-C40	2CDS212001R0404		0.25	5
	50	2	699785	SH202-C50	2CDS212001R0504		0.25	5
	63	2	699792	SH202-C63	2CDS212001R0634		0.25	5
3	0.5	3	631440	SH203-C0,5	2CDS213001R0984		0.375	1
	1	3	631228	SH203-C1	2CDS213001R0014		0.375	1
	1.6	3	631433	SH203-C1,6	2CDS213001R0974		0.375	1
	2	3	631235	SH203-C2	2CDS213001R0024		0.375	1
	3	3	631242	SH203-C3	2CDS213001R0034		0.375	1
	4	3	631259	SH203-C4	2CDS213001R0044		0.375	1
	6	3	631266	SH203-C6	2CDS213001R0064		0.375	1
	8	3	631280	SH203-C8	2CDS213001R0084		0.375	1
	10	3	631297	SH203-C10	2CDS213001R0104		0.375	1
	13	3	631310	SH203-C13	2CDS213001R0134		0.375	1
	16	3	631334	SH203-C16	2CDS213001R0164		0.375	1
	20	3	631358	SH203-C20	2CDS213001R0204		0.375	1
	25	3	631372	SH203-C25	2CDS213001R0254		0.375	1
	32	3	631396	SH203-C32	2CDS213001R0324		0.375	1
	40	3	631419	SH203-C40	2CDS213001R0404		0.375	1
	50	3	701303	SH203-C50	2CDS213001R0504		0.375	1
	63	3	701310	SH203-C63	2CDS213001R0634		0.375	1

Ordering data

MCB SH 200 Series – C characteristic



— SH203-C...NA
2CSC400030F0037



— SH204-C
2CSC400030F0038

N. of poles	Rated current	N° module	Bbn 4016779	Order details			Weight 1 piece	Pack unit
	In A	[17.5 mm]	EAN	Type code	Order code	Price	kg	
3+N	0.5	4	631679	SH203-C0,5NA	2CDS213103R0984		0.5	1
	1	4	631457	SH203-C1NA	2CDS213103R0014		0.5	1
	1.6	4	631662	SH203-C1,6NA	2CDS213103R0974		0.5	1
	2	4	631464	SH203-C2NA	2CDS213103R0024		0.5	1
	3	4	631471	SH203-C3NA	2CDS213103R0034		0.5	1
	4	4	631488	SH203-C4NA	2CDS213103R0044		0.5	1
	6	4	631495	SH203-C6NA	2CDS213103R0064		0.5	1
	8	4	631518	SH203-C8NA	2CDS213103R0084		0.5	1
	10	4	631525	SH203-C10NA	2CDS213103R0104		0.5	1
	13	4	631549	SH203-C13NA	2CDS213103R0134		0.5	1
	16	4	631563	SH203-C16NA	2CDS213103R0164		0.5	1
	20	4	631587	SH203-C20NA	2CDS213103R0204		0.5	1
	25	4	631600	SH203-C25NA	2CDS213103R0254		0.5	1
	32	4	631624	SH203-C32NA	2CDS213103R0324		0.5	1
	40	4	631648	SH203-C40NA	2CDS213103R0404		0.5	1
	50	4	702119	SH203-C50NA	2CDS213103R0504		0.5	1
	63	4	702126	SH203-C63NA	2CDS213103R0634		0.5	1
4	0.5	4	631907	SH204-C0,5	2CDS214001R0984		0.5	1
	1	4	631686	SH204-C1	2CDS214001R0974		0.5	1
	1.6	4	631891	SH204-C1,6	2CDS214001R0974		0.5	1
	2	4	631693	SH204-C2	2CDS214001R0024		0.5	1
	3	4	631709	SH204-C3	2CDS214001R0034		0.5	1
	4	4	631716	SH204-C4	2CDS214001R0044		0.5	1
	6	4	631723	SH204-C6	2CDS214001R0064		0.5	1
	8	4	631747	SH204-C8	2CDS214001R0084		0.5	1
	10	4	631754	SH204-C10	2CDS214001R0104		0.5	1
	13	4	631778	SH204-C13	2CDS214001R0134		0.5	1
	16	4	631792	SH204-C16	2CDS214001R0164		0.5	1
	20	4	631815	SH204-C20	2CDS214001R0204		0.5	1
	25	4	631839	SH204-C25	2CDS214001R0254		0.5	1
	32	4	631853	SH204-C32	2CDS214001R0324		0.5	1
	40	4	631877	SH204-C40	2CDS214001R0404		0.5	1
	50	4	702096	SH204-C50	2CDS214001R0504		0.5	1
	63	4	702102	SH204-C63	2CDS214001R0634		0.5	1



Notes

Lined area for notes, consisting of multiple horizontal lines.