



Miniature circuit-breakers S 200 series

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Selection tables of MCBs S 200 in accordance to UL 489/CSA-C22.2 N 05

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Standards			
Electrical features	Rated current I_n		A
	Poles		
	Rated voltage U_e	IEC 1P, 1P+N	V
		IEC 2P, 3P, 3P+N, 4P	V
		UL/CSA 1P, 1P+N	V
		UL/CSA 2P, 3P, 3P+N, 4P	V
	Insulation voltage U_i		V
	Max. operating voltage U_b max.	IEC AC	V
		UL/CSA AC	
		IEC/UL/CSA DC 1P	V
		IEC/UL/CSA DC 2P	V
	Min. operating voltage U_b min.		V
	Rated frequency		Hz
	Rated breaking capacity acc. to IEC/EN 60898	ultimate I_{cn}	A
	Rated breaking capacity acc. to IEC/EN 60947-2 1P, 1P+N @ 230 VAC 2P, 3P, 3P+N, 4P@ 400 VAC	ultimate I_{cu}	kA
		service I_{cs}	kA
	Rated impulse withstand voltage (1.2/50) U_{imp}		kV
	Dielectric test voltage at ind. freq. for 1 min.		kV
Mechanical features	Overvoltage category		
	Pollution degree		
	Thermomagnetic release characteristic	B: $3 I_n \leq I_m \leq 5 I_n$	
		C: $5 I_n \leq I_m \leq 10 I_n$	
		D: $10 I_n \leq I_m \leq 20 I_n$	
		K: $10 I_n \leq I_m \leq 14 I_n$	
		Z: $2 I_n \leq I_m \leq 3 I_n$	
	Toggle		
	Electrical life		
	Mechanical life/operations		
	Protection degree/operations	housing terminals	
	Mechanical shock resistance		
	Resistance to vibrations acc. to IEC/EN 60068-2-6		
	Tropicalization acc. to IEC/EN 60068-2	humid heat	°C/RH
		constant climatic conditions	°C/RH
		variable climatic conditions	°C/RH
	Reference temperature for setting of thermal element		°C
	Ambient temperature (with daily average $\leq +35$ °C)	IEC ③	°C
	Storage temperature		°C
Installation	Terminal type		
	Terminal size top/bottom for cable	IEC	mm ²
		UL/CSA	AWG
	Terminal size top/bottom for busbar	IEC	mm ²
		UL/CSA	AWG
	Tightening torque	IEC	N*m
		UL/CSA	in-lbs.
	Tool		
	Mounting		
	Mounting position		
Dimensions and weight	Connection		
	Pole dimensions (H x D x W)		mm
	Pole weight		g
Combination with auxiliary elements	Combinable with:	auxiliary contact	
		signal contact/auxiliary switch	
		shunt trip	
		undervoltage release	

① supplementary protection

② branch circuit protection

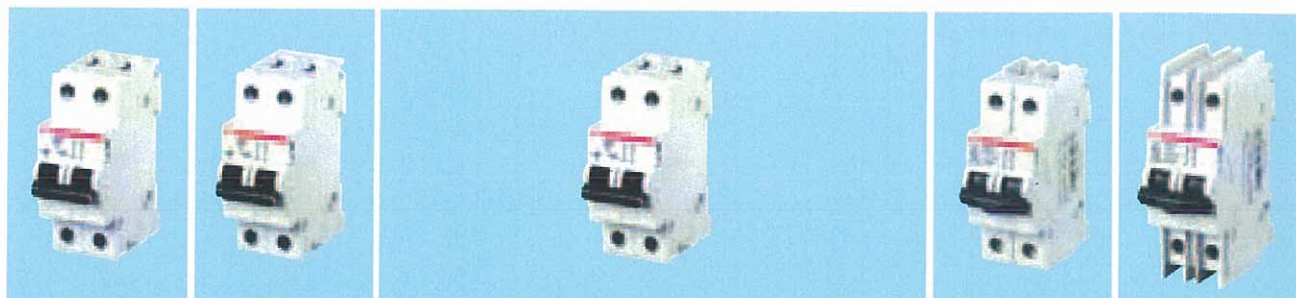
③ for S 200 acc. to UL 1077: -25...+70 °C

④ prior to connection of aluminium conductors (≥ 4 mm²) ensure that their contact points are cleaned, brushed and coated with grease

System pro M compact®

Technical features MCBs S 200 series

S 200



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	S 200	S 200 M	S 200 P			S 200 U	S 200 UP
	IEC / EN 60898, IEC / EN 60947-2, VDE 0641 Part 11, UL 1077 ①, CSA 22.2 No. 235 ①					UL 489 ②, CSA22.2 No.5 ②, IEC/EN 60947-2	
	0.5 ≤ In ≤ 63	0.5 ≤ In ≤ 63	0.5 ≤ In ≤ 25	32 ≤ In ≤ 40	50 ≤ In ≤ 63	0.5 ≤ In ≤ 63	0.2 ≤ In ≤ 25
	1P, 1P+N, 2P, 3P, 3P+N, 4P					1P, 2P, 3P, 4P	
	120 - 240 - 277 480Y/277			230 - 240 230/400 - 240/415 120 - 240 - 277 480Y/277		120- 240 120- 240	120 - 240 - 277 480Y/277
	480Y/277			250 254/440 480Y/277 60VDC 125VDC		240	480Y/277
	12VAC - 12VDC					12VAC	
	6000	10000	25000	50...60 15000	15000	-	-
	10	15	25	15	15	10	10
	7.5	11.2	12.5	11.2	11.2	7.5	7.5
				5			
				2.8			
				III			
				2			
	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■	■ ■
	black sealable in ON-OFF position						
	10000						
	20000						
	IP4X						
	IP2X						
	30 g - 3 shocks - duration 11 ms						
	5 g - 20 cycles at frequency 5...150...5 Hz with load 0.8 In						
	28 cycles with 55/95...100						
	23/83 - 40/93 - 55/20						
	25/95 - 40/95						
	30 (20 for characteristics K,Z)					25	
	-25...+55						
	-40...+70						
	failsafe bi-directional cylinder-lift terminal (shock protected) ④						
	25/25						
	18-4						
	10/10						
	18-8						
	2.8						
	25						
	Nr. 2 Pozidriv						
	on DIN rail EN 60715 (35 mm) by means of fast clip device						
	optional						
	from top and bottom						
	125	85 x 68 x 17.5			140	88 x 68 x 17.5	100 x 68 x 17.5
				yes			
				yes			
				yes			
	yes					no	

C

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2CSC400408F0201



2CSC400409F0201



2CSC400412F0201



S 200 C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

Applications: residential, commercial and industrial.

Standard: IEC/EN 60898, IEC/EN 60947-2

Icn=6 kA

Number of poles	Rated current	Order details	Bbn 4016779	Price 1 piece	Price group	Weight 1 piece	Pack unit
In A	Type code	Order code	EAN			kg	pc.
1	0.5	S 201-C 0.5	2CDS 251 001 R0984	52329 5		0.125	10
	1	S 201-C 1	2CDS 251 001 R0014	52331 8		0.125	10
	1.6	S 201-C 1.6	2CDS 251 001 R0974	52330 1		0.125	10
	2	S 201-C 2	2CDS 251 001 R0024	52332 5		0.125	10
	3	S 201-C 3	2CDS 251 001 R0034	52333 2		0.125	10
	4	S 201-C 4	2CDS 251 001 R0044	52334 9		0.125	10
	6	S 201-C 6	2CDS 251 001 R0064	46400 0		0.125	10
	8	S 201-C 8	2CDS 251 001 R0084	46410 9		0.125	10
	10	S 201-C 10	2CDS 251 001 R0104	46420 8		0.125	10
	13	S 201-C 13	2CDS 251 001 R0134	46430 7		0.125	10
	16	S 201-C 16	2CDS 251 001 R0164	46440 6		0.125	10
	20 ①	S 201-C 20	2CDS 251 001 R0204	46450 5		0.125	10
	25	S 201-C 25	2CDS 251 001 R0254	46460 4		0.125	10
	32 ②	S 201-C 32	2CDS 251 001 R0324	46470 3		0.125	10
	40 ③	S 201-C 40	2CDS 251 001 R0404	46480 2		0.125	10
	50	S 201-C 50	2CDS 251 001 R0504	55100 7		0.125	10
	63	S 201-C 63	2CDS 251 001 R0634	55101 4		0.125	10
U _{Bmax} 253 V ~ 72 V ~							
2	0.5	S 202-C 0.5	2CDS 252 001 R0984	52335 6		0.250	5
	1	S 202-C 1	2CDS 252 001 R0014	52336 3		0.250	5
	1.6	S 202-C 1.6	2CDS 252 001 R0974	52337 0		0.250	5
	2	S 202-C 2	2CDS 252 001 R0024	52338 7		0.250	5
	3	S 202-C 3	2CDS 252 001 R0034	52339 4		0.250	5
	4	S 202-C 4	2CDS 252 001 R0044	52340 0		0.250	5
	6	S 202-C 6	2CDS 252 001 R0064	46550 2		0.250	5
	8	S 202-C 8	2CDS 252 001 R0084	46560 1		0.250	5
	10	S 202-C 10	2CDS 252 001 R0104	46570 0		0.250	5
	13	S 202-C 13	2CDS 252 001 R0134	46580 9		0.250	5
	16	S 202-C 16	2CDS 252 001 R0164	46590 8		0.250	5
	20	S 202-C 20	2CDS 252 001 R0204	46600 4		0.250	5
	25	S 202-C 25	2CDS 252 001 R0254	46610 3		0.250	5
	32	S 202-C 32	2CDS 252 001 R0324	46620 2		0.250	5
	40	S 202-C 40	2CDS 252 001 R0404	46630 1		0.250	5
	50	S 202-C 50	2CDS 252 001 R0504	55104 5		0.250	5
	63	S 202-C 63	2CDS 252 001 R0634	55105 2		0.250	5
U _{Bmax} 440 V ~ 125 V ~							
3	0.5	S 203-C 0.5	2CDS 253 001 R0984	52341 7		0.375	1
	1	S 203-C 1	2CDS 253 001 R0014	52342 4		0.375	1
	1.6	S 203-C 1.6	2CDS 253 001 R0974	52343 1		0.375	1
	2	S 203-C 2	2CDS 253 001 R0024	52344 8		0.375	1
	3	S 203-C 3	2CDS 253 001 R0034	52345 5		0.375	1
	4	S 203-C 4	2CDS 253 001 R0044	52346 2		0.375	1
	6	S 203-C 6	2CDS 253 001 R0064	46750 6		0.375	1
	8	S 203-C 8	2CDS 253 001 R0084	46760 5		0.375	1
	10	S 203-C 10	2CDS 253 001 R0104	46780 3		0.375	1
	13	S 203-C 13	2CDS 253 001 R0134	46790 2		0.375	1
	16	S 203-C 16	2CDS 253 001 R0164	46800 8		0.375	1
	20 ①	S 203-C 20	2CDS 253 001 R0204	46810 7		0.375	1
	25	S 203-C 25	2CDS 253 001 R0254	46820 6		0.375	1
	32 ②	S 203-C 32	2CDS 253 001 R0324	46830 5		0.375	1
	40 ③	S 203-C 40	2CDS 253 001 R0404	46840 4		0.375	1
	50	S 203-C 50	2CDS 253 001 R0504	55106 9		0.375	1
	63	S 203-C 63	2CDS 253 001 R0634	55107 6		0.375	1
U _{Bmax} 440 V ~							

MCBs protect installations against overload and short-circuit, warranting reliability and safety for operations.

New System pro *M* compact S 200 series satisfies most common requirements in terms of MCBs, allowing the usage of them for domestic, industrial and commercial applications.

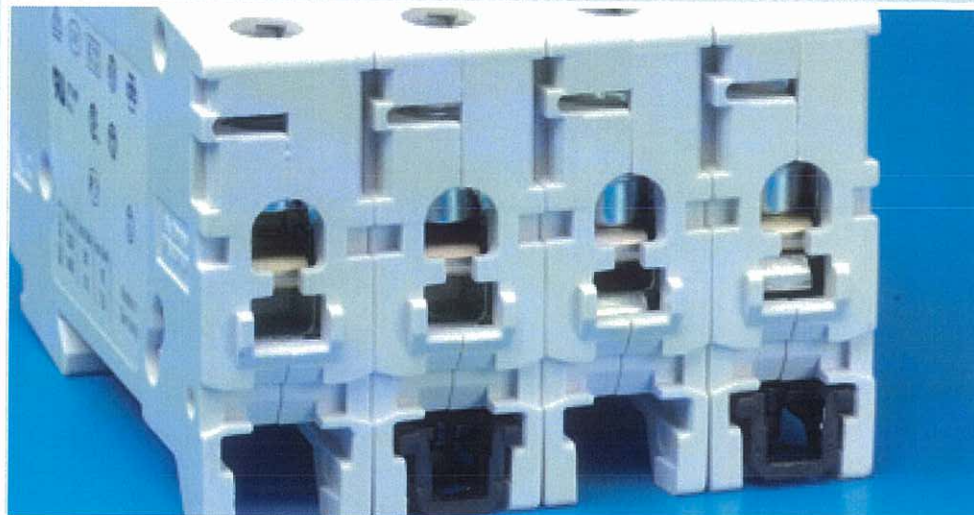
Three series – **S 200**, **S 200 M** and **S 200 P** – with three different breaking capacities up to 25 kA are available, in all characteristics (B, C, D, K and Z) and configurations (1P, 1P+N, 2P, 3P, 3P+N and 4P), in all the sizes up to 63 A.

All these MCBs comply to IEC/EN 60898 and IEC/EN 60947-2 Standards. The range includes also the new **S 200 U** and **S 200 UP** in accordance to UL 489/CSA-C22.2 N 05 Standard.

It is also available the new integrated auxiliary contact on the bottom side which permits to save 50% space.

Thought to be advanced, MCBs range also offers all the “plus” advantages which characterized the whole new System pro *M* compact range.

S 200 series devices obtained a lot of marks and approvals, so they can be used in all world's markets.



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2CSC400261F0201



2CSC400260F0201



2CSC400259F0201