

MCB - SH200

Technical Data

			SH200 T	SH200 L	SH200
Electrical features					
Standards	IEC/EN 60898, GB10963.1				
Rated current I_n	A	6 - 40			6 - 63
Poles	1, 2, 3, 4, 1+NA, 3+NA				
Rated Voltage U_e	IEC 1P, 1P+N	V	230		
	IEC 2P, 3P, 3P+N, 4P	V	230/400		
Insulation voltage U_i		V	250		
Max. operating voltage U_b max.	IEC AC	V	254/440		
Min. operating voltage U_b min.		V	12 V AC - 12 V DC		
Rated frequency		Hz	50...60		
Rated breaking capacity ultimate I_{cn}	IEC/EN 60898	A	3000	4500	6000
Rated impulse withstand voltage (1.2 / 50) U_{imp}		kV	4 (test voltage 6.2 at sea level, 5 at 2000 m)		
Dielectric strength at power freq. for 1 min.		kV	2.5		
Overvoltage category	III				
Pollution degree	2				
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: $10 I_n \leq I_m \leq 20 I_n$				•
Mechanical features					
Toggle	black sealable in ON-OFF position				
Electrical life	10000				
Mechanical life / operations	20000				
Protections degree / operations	housing	IP4X			
	terminals	IP2X			
Mechanical shock resistance	30 g - 2 shocks - duration 11 ms				
Resistance to vibrations acc. to IEC/EN 60060-2--6	5g - 20 cycles at frequency 5...150...5 Hz with 0.8 x I_n				
Tropicalization (acc. to IEC/EN 60068-2)	humid heat	°C /RH	28 cycles with 55/95...100		
	constant climatic conditions	°C /RH	23/28 - 40/93 - 55/20		
	variable climatic conditions	°C /RH	25/95 - 40/95		
Reference temperature for setting of thermal element		°C	30		
Ambient temperature (with daily averages $\leq +35^\circ\text{C}$) IEC		°C	-25...+55		
Storage temperature		°C	-40...+70		
Installation					
Terminal type	cage terminal				
Terminal size top / bottom for cable	IEC	mm ²	25/25		
Tightening torque	IEC	N*m	2.5		
Tool	Nr. 2 Pozidriv				
Mounting	on DIN rail EN 60715 (35 mm) by means of fast clip device				
Mounting position	optional				
Connection	from top and bottom				
Dimensions and weight					
Pole dimensions (H x D x W)		mm	85 x 68 x 17.5		
Pole weight		g	125		

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Selection Tables

Applications: buildings, both residential and commercial

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

Type No.	Rated Current I _n (A)	Breaking capacity I _{cn} (kA)	Order Code	Weight (kg/pc)	Packing (pc)			
1P (U_{Bmax} : 230 V~ 60 V_{...})								
SH201 C6	6	6	2CDS 211 001 R0064	0.125	12			
SH201 C8	8		2CDS 211 001 R0084					
SH201 C10	10		2CDS 211 001 R0104					
SH201 C13	13		2CDS 211 001 R0134					
SH201 C16	16		2CDS 211 001 R0164					
SH201 C20	20		2CDS 211 001 R0204					
SH201 C25	25		2CDS 211 001 R0254					
SH201 C32	32		2CDS 211 001 R0324					
SH201 C40	40		2CDS 211 001 R0404					
SH201 C50	50		2CDS 211 001 R0504					
SH201 C63	63		2CDS 211 001 R0634					
1P + NA (U_{Bmax} : 230 V~ 60 V_{...})								
SH201 C6NA	6		6			2CDS 211 103 R0064	0.25	6
SH201 C8NA	8	2CDS 211 103 R0084						
SH201 C10NA	10	2CDS 211 103 R0104						
SH201 C13NA	13	2CDS 211 103 R0134						
SH201 C16NA	16	2CDS 211 103 R0164						
SH201 C20NA	20	2CDS 211 103 R0204						
SH201 C25NA	25	2CDS 211 103 R0254						
SH201 C32NA	32	2CDS 211 103 R0324						
SH201 C40NA	40	2CDS 211 103 R0404						
SH201 C50NA	50	2CDS 211 103 R0504						
SH201 C63NA	63	2CDS 211 103 R0634						
2P (U_{Bmax} : 440 V~ 125 V_{...} with 2 poles connected in series)								
SH202 C6	6	6		2CDS 212 001 R0064	0.25	6		
SH202 C8	8		2CDS 212 001 R0084					
SH202 C10	10		2CDS 212 001 R0104					
SH202 C13	13		2CDS 212 001 R0134					
SH202 C16	16		2CDS 212 001 R0164					
SH202 C20	20		2CDS 212 001 R0204					
SH202 C25	25		2CDS 212 001 R0254					
SH202 C32	32		2CDS 212 001 R0324					
SH202 C40	40		2CDS 212 001 R0404					
SH202 C50	50		2CDS 212 001 R0504					
SH202 C63	63		2CDS 212 001 R0634					
3P (U_{Bmax} : 440 V~)								
SH203 C6	6		6	2CDS 213 001 R0064			0.375	4
SH203 C8	8	2CDS 213 001 R0084						
SH203 C10	10	2CDS 213 001 R0104						
SH203 C13	13	2CDS 213 001 R0134						
SH203 C16	16	2CDS 213 001 R0164						
SH203 C20	20	2CDS 213 001 R0204						
SH203 C25	25	2CDS 213 001 R0254						
SH203 C32	32	2CDS 213 001 R0324						
SH203 C40	40	2CDS 213 001 R0404						
SH203 C50	50	2CDS 213 001 R0504						
SH203 C63	63	2CDS 213 001 R0634						

