

AC Miniature Circuit Breaker




CHS1-63

AC MCB

AC MCB has a protective function as overload and is used in the lighting distribution systems in industry commerce and dwelling, protects fractional electric motors. And they also have many merits of high protective grade (up to IP20), high breaking capacity, reliable sensitivity, action convenience, and multi-pole assembling.

CHS1-63				
Nominal Frequency	50/60Hz			
Pole	1P	2P	3P	4P
Rated Operating Voltage (VDC)	230/400V	400V	400V	400V
Selective Grade	3			
Rated Current In (A)	3, 6, 10, 16, 20, 25, 32, 40, 50, 63A			
Ambient Temperature	-5 °C ~+40°C			
Ultimate Breaking Capacity Icu (kA)	4.5KA - 1/2/3P 6KA-4P			
Relative Humidity	≤ 95%			
Curve Type	C(8-12)In			
Pollution Level	Class 2			
Electrical Life (times)	8000			
Mechanical Life (times)	20000			
Enclosed Protective Class	IP20			

-Consult sales for other parameters, please.

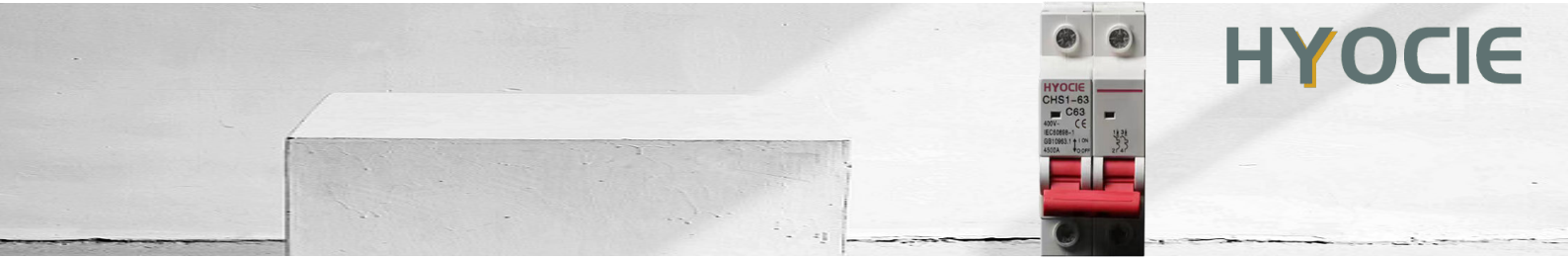
Over current tripping characteristic

Test	Test Current	Initial State	Limited Time	Expected Result
a	1.05In	Cold state	t 1h	Non-tripping
b	1.3In	Right after test number a	t<1h	Tripping
c	7In	Cold state	t≤st	Non-tripping
d	10In	Cold state	0.1s	Tripping

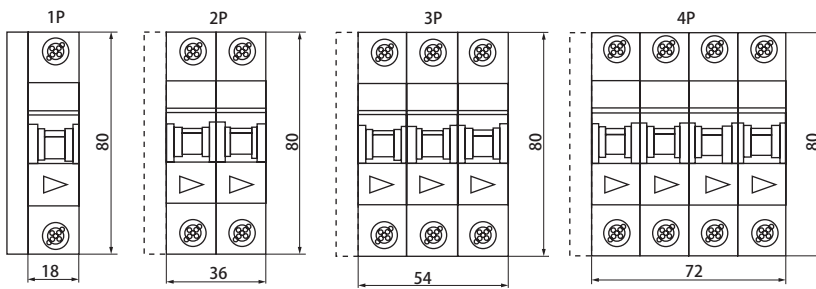
Over current tripping characteristic

Fixed current(A) Rated Current (A)	Temperature												
	-35	-30	-20	-10	0	10	20	30	40	50	60	70	
3A	3.9	3.78	3.69	3.57	3.42	3.3	3.12	3	2.88	2.79	2.64	2.49	
6A	7.8	7.56	7.38	7.14	6.84	6.6	6.24	6	5.76	5.64	5.28	4.98	
10A	13.2	12.7	12.5	12	11.5	11.1	10.6	10	9.6	9.3	8.9	8.4	
16A	21.12	20.48	20	19.2	18.4	17.76	16.96	16	15.36	14.88	14.24	13.44	
20A	26.4	26.4	25	24	23	22.2	21.2	20	19.2	18.6	17.8	16.8	
25A	33	32	31.25	30	28.75	27.75	26.5	25	24	23.25	22.25	21	
32A	42.56	41.28	40	38.72	37.12	35.52	33.93	32	30.72	29.76	28.16	26.88	
40A	53.2	51.2	50	48	46.4	44.8	42.4	40	38.4	37.2	35.6	33.6	
50A	67	65.5	63	60.5	58	56	53	50	48	46.5	44	41.5	
63A	83.79	81.9	80.01	76.86	73.71	70.56	66.78	63	60.48	58.9	55.44	52.29	

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Dimension:



Over current tripping characteristic

