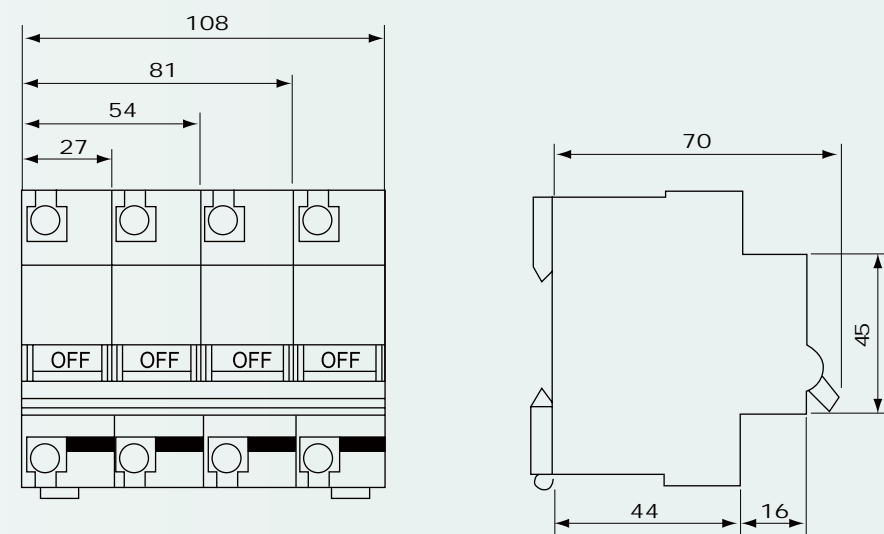


Dimensions



Over current tripping characteristic

Item	Rated Current	Initial State	Test Current	Limited Time	Prospective Result	Remark
a	In=63	Cold state	1.05In	t 1h	Non-tripping	The current rise steadily to a fixed Tripping value within 5s
	In>63	Cold state	1.05In	t 2h	Non-tripping	
b	In=63	Hot state	1.3In	t<1h	Tripping	
	In>63	Hot state	1.3In	t<2h	Tripping	
c	In 63	Cold state	8In	t 0.2s	Non-tripping	
			12In	t 0.2s	Tripping	

Current correction values used at different ambient temperatures

Temperature Fixed current (A) Rated Current (A)	-35	-30	-20	-10	0	10	20	30	40	50	60	70
63A	90.40	88.52	84.75	80.33	76.55	72.45	67.73	63	57.65	51.98	46.31	40.95
80A	114.8	112	106.8	101.6	96.4	90.8	85.6	80	74	67.6	60.4	53.2
100A	143.5	140.5	134.5	127.5	121	113.5	107.5	100	92.5	84.5	75.5	66.5
125A	178.75	173.75	164.38	156.25	148.75	140.63	135	125	116.25	107.5	97.5	85



FR7-63

WIFI Smart Circuit Breaker

WIFI Smart circuit breaker (hereinafter referred to as circuit breaker), suitable for rated operating voltage to 230V/400V, AC 50Hz, rated current to 80A lines. When the personal electric shock or the grid leakage current exceeds the specified value, the circuit breaker can quickly cut off the fault power supply in a very short time, protect the safety of the human body and electrical equipment, and play the role of overload and short circuit protection for the line, and can also be used as the infrequent operation of the line conversion. This product conforms to GB16917.1, IEC61009-1 standards, with the international advanced level.



Specifications

Rated voltage Un	230V AC (1P+N, 2P),400V AC (3P, 3P+N, 4P)
Rated current In	6, 10, 16, 20, 25, 32, 40, 50, 63, 80A
Rated residual operating current (IΔn)	30, 50, 100, 300mA
Rated residual inactive current	0.5 IΔn;
Residual current protection type	AC type
Poles	1P+N, 2P, 3P, 3P+N, 4P
Instantaneous trip form	B, C, D type (can be produced according to user requirements)
Rated short-circuit breaking capacity	Icn=Ics=6kA
Rated remaining switching and breaking capacity	500A (In 50A); 10In (In 63A)
Remote control automatic closing time (seconds)	t 3s
Remote control automatic switching time (seconds)	t 3s