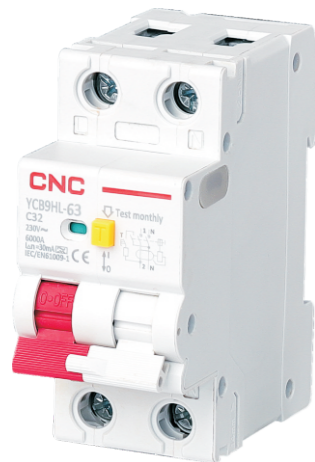


YCB9HL-63 RCBO Electromagnetic

A



General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows: type B(3-5)I_n, type C(5-10)I_n

YCB9HL-63 RCBO is a combined structure, the N pole is on the right side of the product. It has the following characteristics:

Without auxiliary power supply, it overcomes the defects of electronic products; poor anti-interference, be greatly affected by power grid voltage fluctuation and can't be protected if the neutral line is disconnected;

Test circuit is dynamic controlled, and the test resistance is not easy to burn;

N pole contact can be opened and closed separately, with isolation function;

The impulse withstand voltage between L pole and N pole can reach up to 6000V;

The impulse withstand voltage between L pole, N pole and the metal support can reach up to 8000V;

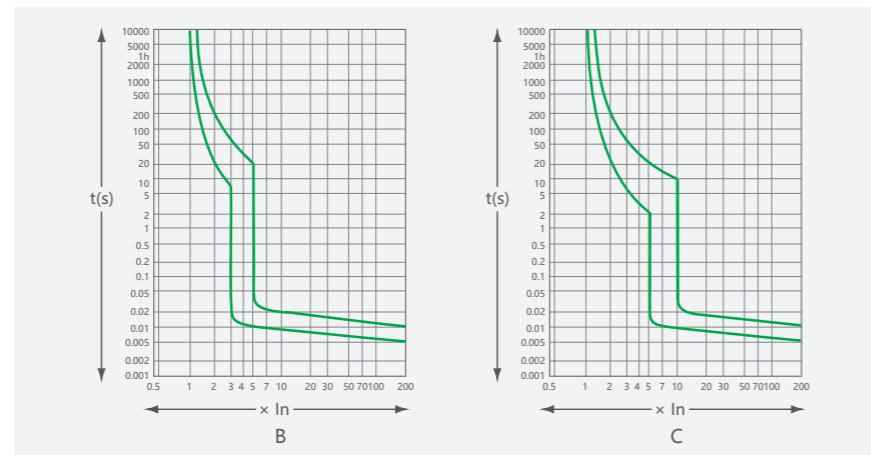
Under the impact current of 200A, it has the ability to bear, and does not cause misoperation.

Release

Type	Test current	Tripping time	Expected result
B,C	1.13I _n	t ≤ 1h (I _n ≤ 63A)	Not tripping
	1.13I _n	t ≤ 2h (I _n > 63A)	
B,C	1.45I _n	t < 1h (I _n ≤ 63A)	Tripping
	1.45I _n	t < 2h (I _n > 63A)	
B,C	2.55I _n	1s < t < 60s (I _n ≤ 32A)	Tripping
	2.55I _n	1s < t < 120s (I _n > 32A)	
B	3I _n	t ≤ 0.1s	Not tripping
C	5I _n	t ≤ 0.1s	
B	5I _n	t < 0.1s	Tripping
C	10I _n	t < 0.1s	

Curve

B,C Curve



YCB9HL-63 RCBO Electromagnetic

A

Specifications

Type	Standard	IEC/EN 61009-1	
Electrical features	Leakage type	Electromagnetic type	
	Rated current I _n	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N
	Rated voltage U _e	V	230
	Insulation voltage U _i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity I _{cn}	A	6000
	Rated impulse withstand voltage (1.2/50) U _{imp}	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1
	Break time under IΔn	s	≤ 0.1
	Mechanical features	Rated residual making and breaking capacity IΔm	A
Pollution degree			2
Electrical life		t	4000
Mechanical life		t	8000
Protection degree			IP20
Storage temperature		°C	-25~+70
Ambient temperature (with daily average ≤ 35°C)	°C	-5~+40	
Installation	Terminal connection type		Cable/U-type bar/Pin-type busbar
	Terminal size top / bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top / bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	1.2
		In-lbs	11
Mounting		On DIN rail EN 60715(35mm) by means of fast clip device	
Connection		From top and bottom	

Overall and mounting dimensions(mm)

