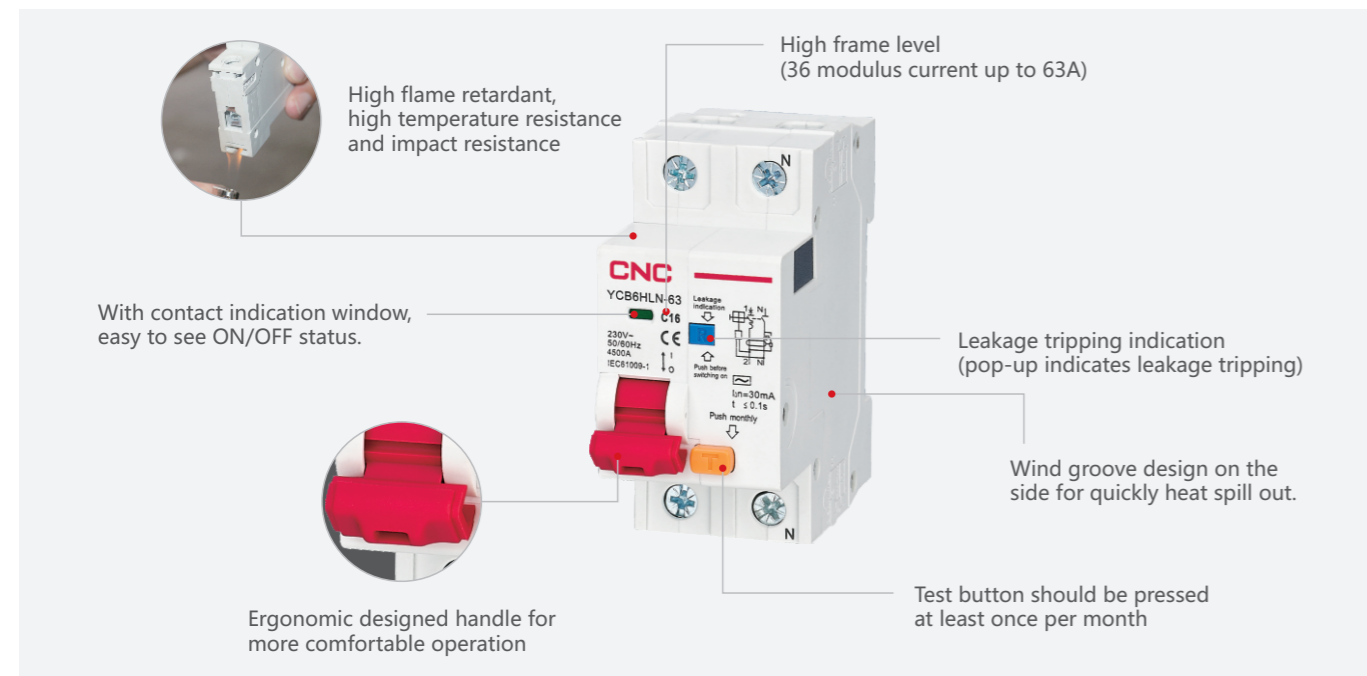


Modular DIN Rail

YCB6HLN-63 RCBO Electronic



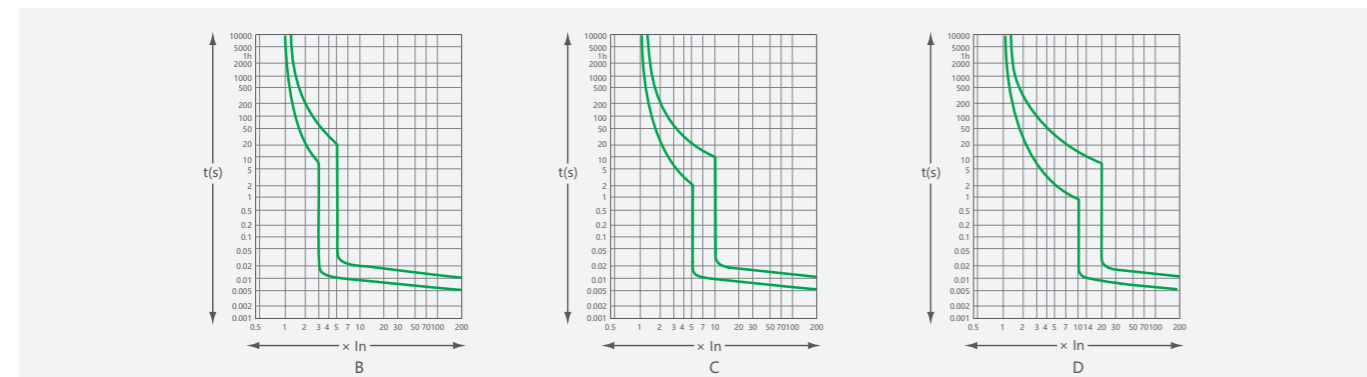
General

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, type D(10-20)I_n

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13I _n	t ≤ 1h (I _n ≤ 63A)	Not tripping	B	3I _n	t ≤ 0.1s	Not tripping
	1.13I _n	t ≤ 2h (I _n > 63A)		C	5I _n	t ≤ 0.1s	
B,C,D	1.45I _n	t < 1h (I _n ≤ 63A)	Tripping	D	10I _n	t ≤ 0.1s	Tripping
	1.45I _n	t < 2h (I _n > 63A)		B	5I _n	t < 0.1s	
B,C,D	2.55I _n	1s < t < 60s (I _n ≤ 32A)	Tripping	C	10I _n	t < 0.1s	Tripping
	2.55I _n	1s < t < 120s (I _n > 32A)		D	20I _n	t < 0.1s	

Curve



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Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N
	Type(wave form of the earth leakage sensed)		AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current I _n	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Rated voltage U _e	V	230
	Rated sensitivity ΔI _n	A	0.03, 0.05, 0.1
	Rated residual making and breaking capacity IΔm	A	500(I _n ≤ 40A) 630(I _n > 40A)
	Rated short-circuit capacity I _{cn}	A	4500
	Break time under IΔn	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
	Insulation voltage U _i	V	500
Pollution degree		2	
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average ≤ 35°C)	°C	-5 ~ +40
	Storage temperature	°C	-25 ~ +70
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		l _n -lbs	18
	Mounting		On DIN rail EN60715(35mm)by means of fast clip device
Connection		From top	

Overall and mounting dimensions(mm)

