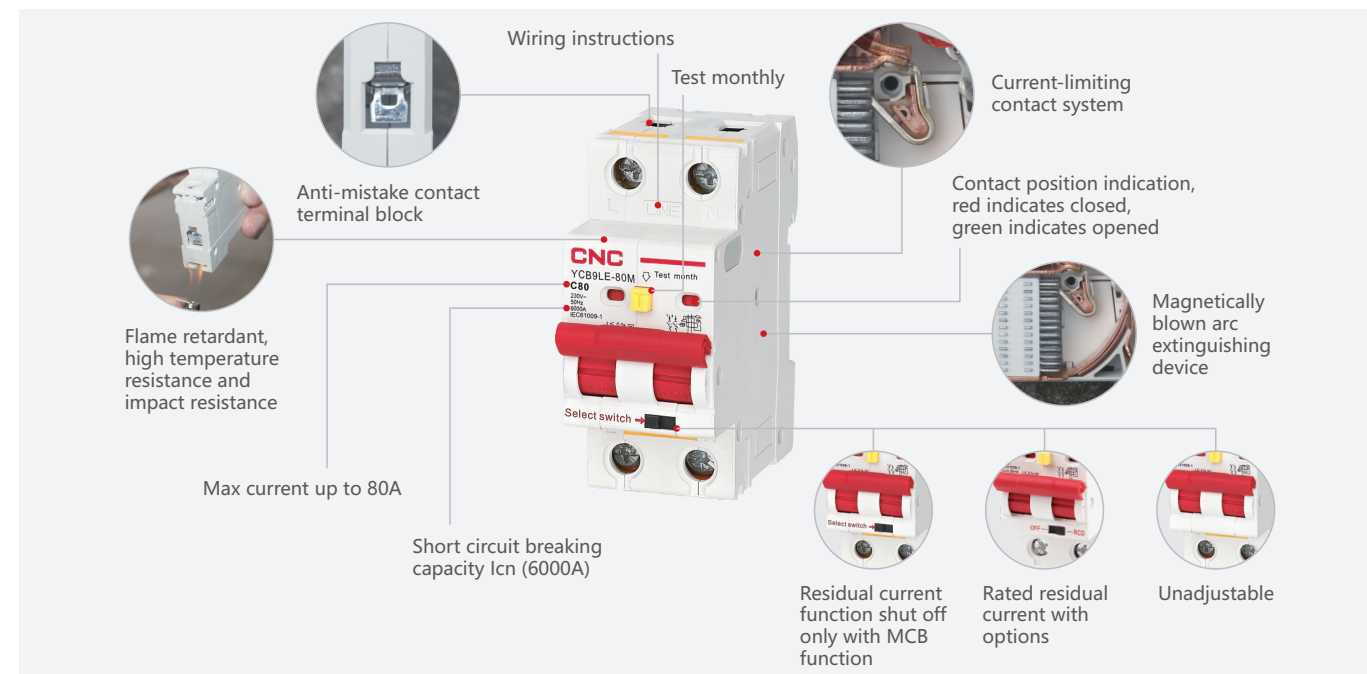


Modular DIN Rail

YCB9LE-80M RCBO Electronic



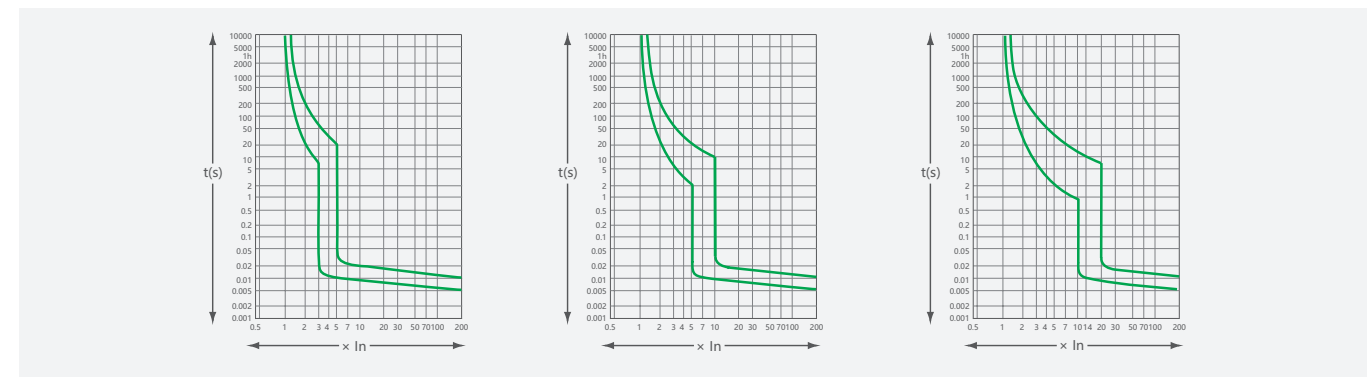
General

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

Selection

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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Technical data

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N,2P,3P+N,4P
	Type(wave form of the earth leakage sensed)		A/AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current I _n	A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80
	Rated voltage U _e	V	230/400
	Rated sensitivity IΔ _n	A	0.03, 0.05, 0.1, 0.2
	Rated residual making and breaking capacity IΔ _m	A	500(I _n ≤ 40A) 630(I _n > 40A)
	Rated short-circuit capacity I _{cn}	A	6000
	Break time under IΔ _n	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
	Mechanical features	Insulation voltage U _i	V
Pollution degree			3
Electrical life		t	4000
Mechanical features	Mechanical life	t	10000
	Contact position indicator		Yes
Connection and Installation	Protection degree		IP20
	Connection capacity	mm ²	1~35
	Circumstance temperature	°C	-25~+70
	Elevation	m	≤ 2000
	Pollution degree		3
	Terminal connection type		Cable/Pin-type busbar
	Installation Environment		No obvious vibration and shock
	Installation category		III
	Mounting		On DIN rail EN60715(35mm)by means of fast clip
	Connection		From top

Overall and mounting dimensions(mm)

