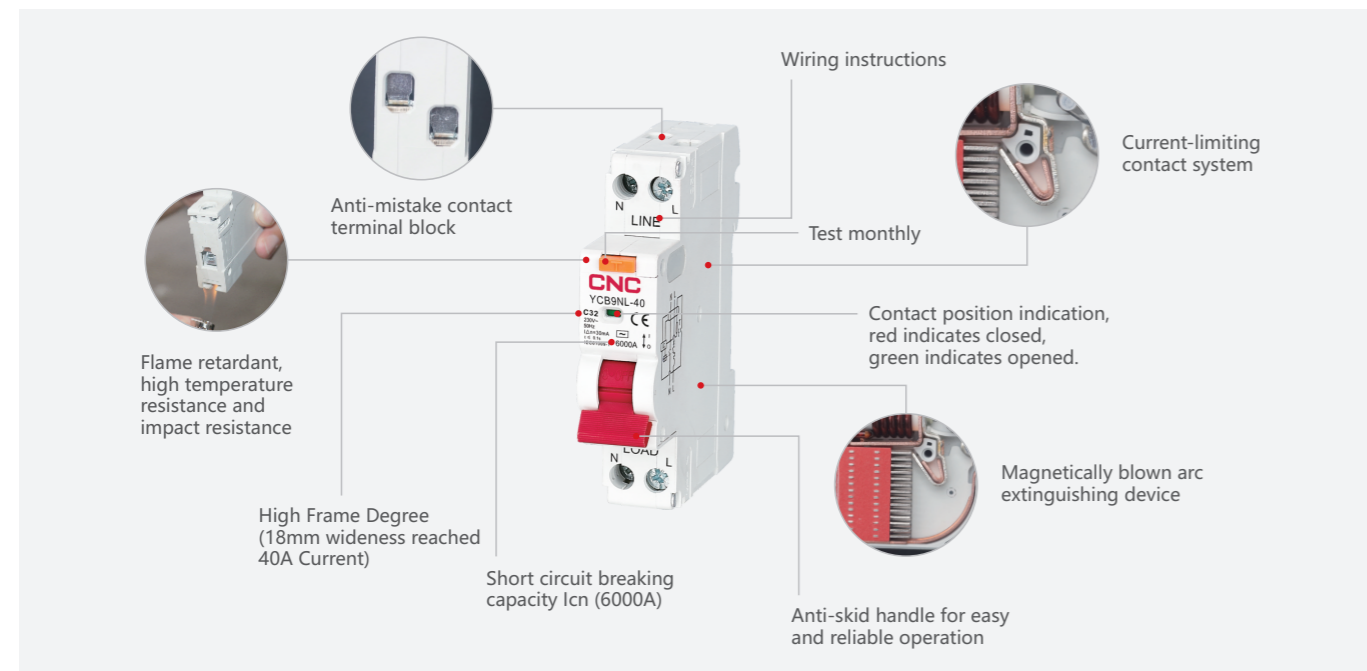


Modular DIN Rail

YCB9NL-40 RCBO Electronic



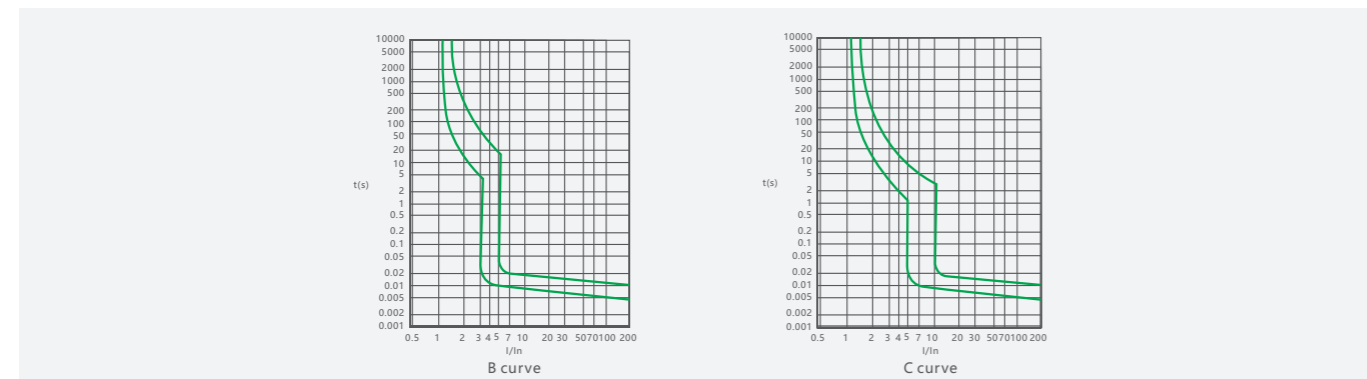
General

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

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C	1.13 I_n	$t \leq 1h(I_n \leq 63A)$	Not tripping	B	3 I_n	$t \leq 0.1s$	Not tripping
	1.13 I_n	$t \leq 2h(I_n > 63A)$					
B,C	1.45 I_n	$t < 1h(I_n \leq 63A)$	Tripping	C	5 I_n	$t \leq 0.1s$	Tripping
	1.45 I_n	$t < 2h(I_n > 63A)$					
B,C	2.55 I_n	$1s < t < 60s(I_n \leq 32A)$	Tripping	B	5 I_n	$t < 0.1s$	Tripping
	2.55 I_n	$1s < t < 120s(I_n > 32A)$					
				C	10 I_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
	Thermal-magnetic release characteristic		B, C, D
	Rated current I_n	A	6, 10, 16, 20, 25, 32, 40
	Rated voltage U_e	V	230
	Rated sensitivity $I_{\Delta n}$	A	0.03, 0.05, 0.1
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500($I_n \leq 40A$) 630($I_n > 40A$)
	Rated short-circuit capacity I_{cn}	A	6000
	Break time under $I_{\Delta n}$	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			2
Electrical life		t	4000
Mechanical life		t	10000
Contact position indicator			Yes
Protection degree			IP20
Installation	Ambient temperature(with daily average $\leq 35^\circ C$)	$^\circ C$	-5~+40
	Storage temperature	$^\circ C$	-25~+70
	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm^2	16
		AWG	18-5
	Terminal size top/bottom for busbar	mm^2	10
		AWG	18-5
	Tightening torque	$N \cdot m$	2
		In-lbs	18
	Mounting		On DIN rail EN60715(35mm)by means of fast clip device
Connection		From top	

Overall and mounting dimensions(mm)

