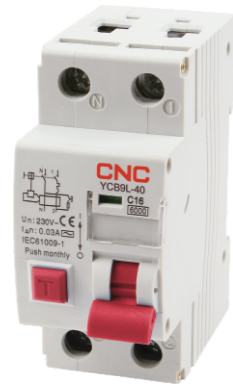


## YCB9L-40 RCBO Electromagnetic

A



### General

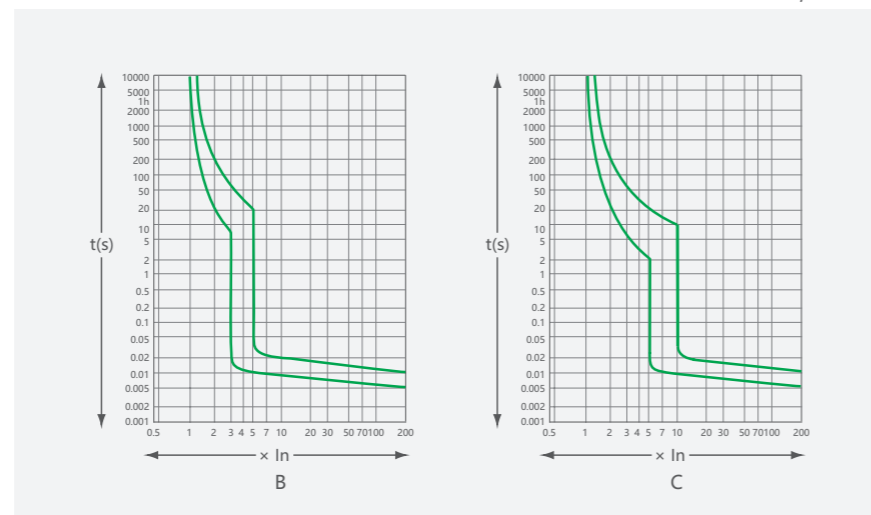
1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in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

### Release

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

### Curve

B,C Curve



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A

### Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Leakage type		Electromagnetic type
	Rated current I <sub>n</sub>	A	6, 10, 16, 20, 25, 32, 40
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N
	Rated voltage U <sub>e</sub>	V	230
	Insulation voltage U <sub>i</sub>	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity I <sub>cn</sub>	A	6000
	Rated impulse withstand voltage (1.2/50) U <sub>imp</sub>	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Rated sensitivity IΔ <sub>n</sub>	A	0.03, 0.05, 0.1
	Break time under IΔ <sub>n</sub>	s	≤ 0.1
	Rated residual making and breaking capacity IΔ <sub>m</sub>	A	500
Mechanical features	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 <sup>2</sup>	16
		AWG	18-5
	Terminal size top / bottom for busbar	mm <sup>2</sup>	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)

