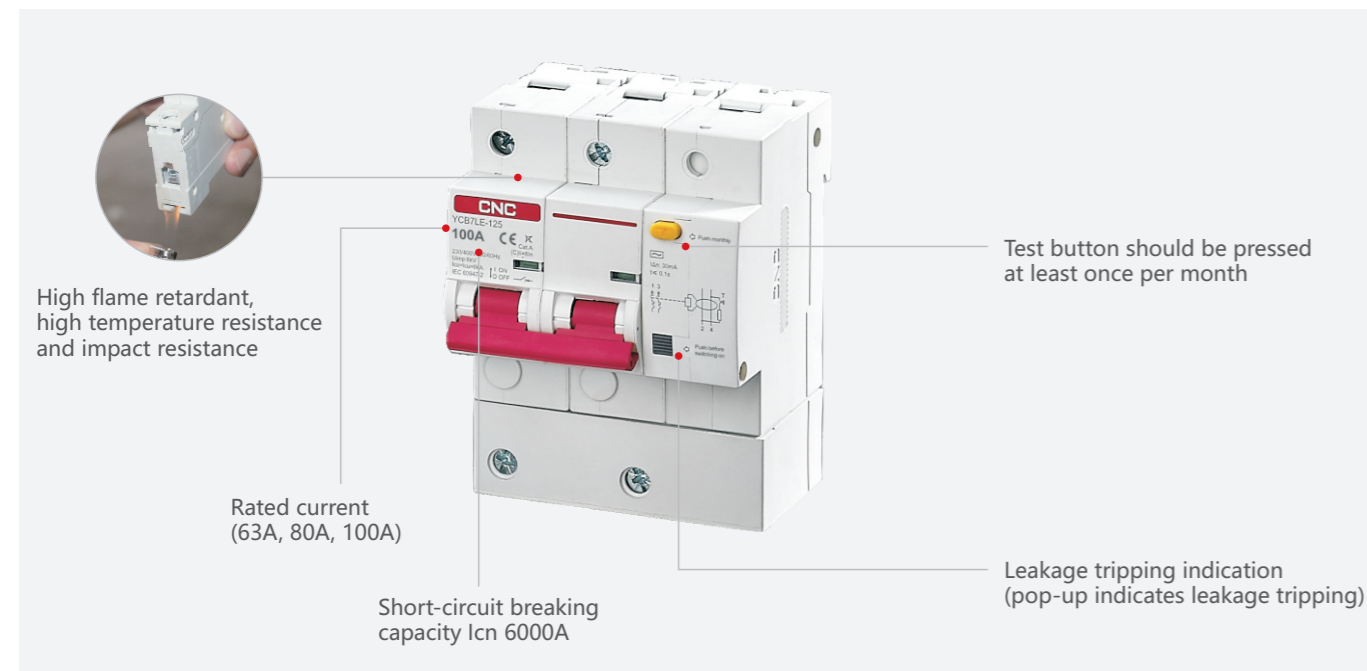


Modular DIN Rail

YCB7LE-125 RCBO Electronic



Function

1. Personnel and fire protection
2. Cable and line protection against overload and short-circuits.

Selection

1. $I_{\Delta n} \leq 30$ mA: additional protection in the case of direct contact.
2. $I_{\Delta n} \leq 300$ mA: preventative fire protection in the case of ground fault currents.
3. AC class – Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

Release

Type		Tripping time	$I_{\Delta n}(A)$	Expected result				Note	
				$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	$6I_{\Delta n}$		
General		63, 80, 100, 125	≥ 0.03	0.1	0.07	0.04	0.04	Minimum time for tripping	
Time delay	Time limit for not tripping		0.06s	≥ 0.03	0.3	0.2	0.15	0.15	Minimum time for tripping
			0.1s	≥ 0.03	0.13	0.06	0.05	0.04	Minimum time for not tripping
				≥ 0.03	0.6	0.4	0.3	0.2	Minimum time for tripping
				≥ 0.03	0.23	0.1	0.06	0.05	Minimum time for not tripping

Release

Type	Test current	Tripping time	Expected result
C,D	$1.05I_n$	$t \leq 1h (I_n \leq 63A), t \leq 2h (I_n \leq 63A)$	Not tripping
C,D	$1.3I_n$	$t \leq 1h (I_n \leq 63A), t \leq 2h (I_n \leq 63A)$	Tripping
C,D	$2.55I_n$	$1s < t < 120s$	Tripping
C	$8I_n \times 80\%$	$t \leq 0.2s$	Not tripping
D	$12I_n \times 80\%$	$t \leq 0.2s$	Not tripping
C	$8I_n \times 120\%$	$t < 0.2s$	Tripping
D	$12I_n \times 120\%$	$t < 0.2s$	Tripping

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Specifications

Type	Standard	IEC/EN 60947-2	
Electrical features	Type (wave form of the earth leakage sensed)	AC	
	Thermo-magnetic release characteristic	(C) $I_i = 8I_n, (D) I_i = 12I_n$	
	Rated current I_n	A 63, 80, 100	
	Poles	1P+N, 2P, 3P, 3P+N, 4P	
	Rated voltage U_e	V 230/400	
	Rated sensitivity $I_{\Delta n}$	A 0.03, 0.1, 0.3	
	Rated short-circuit capacity I_{cn}	A 6000	
	Break time under $I_{\Delta n}$	s ≤ 0.1	
	Rated impulse withstand voltage $(1.2/50)U_{imp}$	V 4000	
	Dielectric TEST voltage at ind. Freq. for 1min	kV 1.89	
Mechanical features	Insulation voltage U_i	V 500	
	Pollution degree	3	
	Electrical life	1500	
	Mechanical life	8500	
	Contact position indicator	Yes	
	Protection degree	IP20	
	Ambient temperature (with daily average $\leq 35^\circ C$)	$^\circ C$ -5...+40	
	Storage temperature	$^\circ C$ -25...+70	
	Installation	Terminal connection type	Cable/Pin-type busbar
		Terminal size top/bottom for cable	mm^2
AWG			6-1/0
Terminal size top/bottom for busbar		mm^2	16~35
		AWG	6-2
Tightening torque		N·m	3.5
	In-lbs.	31	
Mounting Connection	On DIN rail EN 60715 (35mm) by means of fast clip device From top		

Overall and mounting dimensions(mm)

