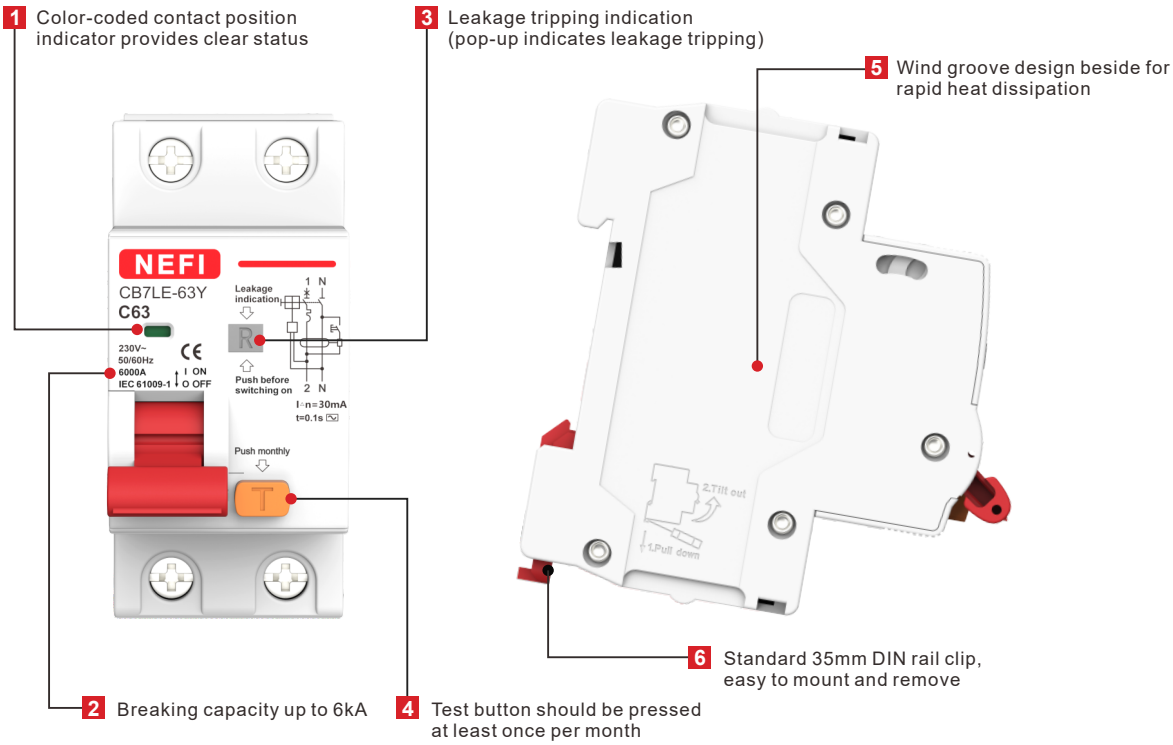
CB7LE-63Y Residual Current Operated Circuit Breaker with Over-current Protection



General

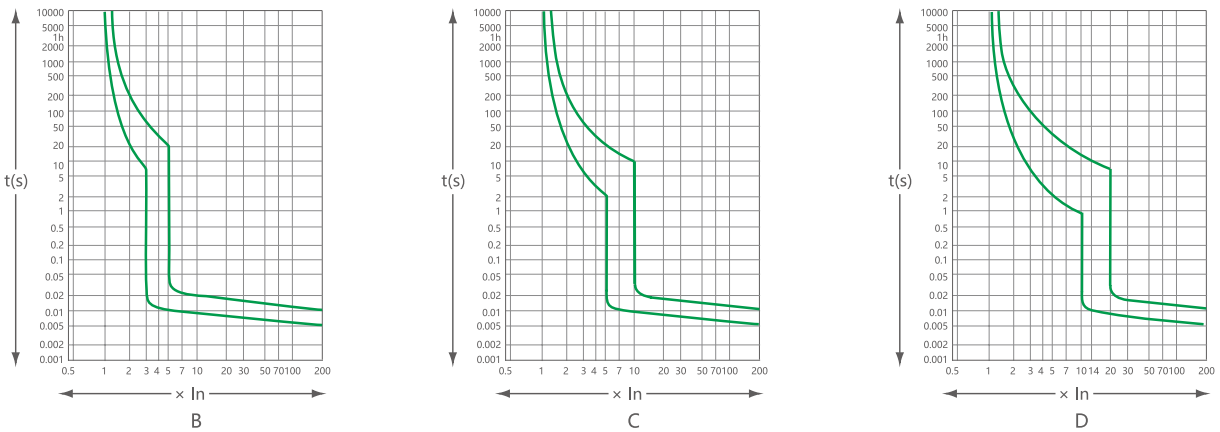
CB7LE-63Y RCBO provides combined protection against overload, short-circuit, and earth fault currents in AC 230V, 50/60Hz circuits up to 63A. Suitable for residential and similar applications. Available in B, C, and D tripping curves.

Standard: IEC/EN 60898-1.

Selection

CB7LE	-	63	Y	1P+N	C	63	100mA	A Type
↓		↓	↓	↓	↓	↓	↓	↓
Model		Shell grade current	Category	Number of poles	Tripping. characteristics	Rated current	Rated residual operating current	Type
Residual Current Operated Circuit Breaker with Over-current Protection		63	Integrated	1P+N	B C D	6,10,16, 20,25,32, 40,50,63	Default: 30mA 100mA 300mA	Default: AC Type A Type

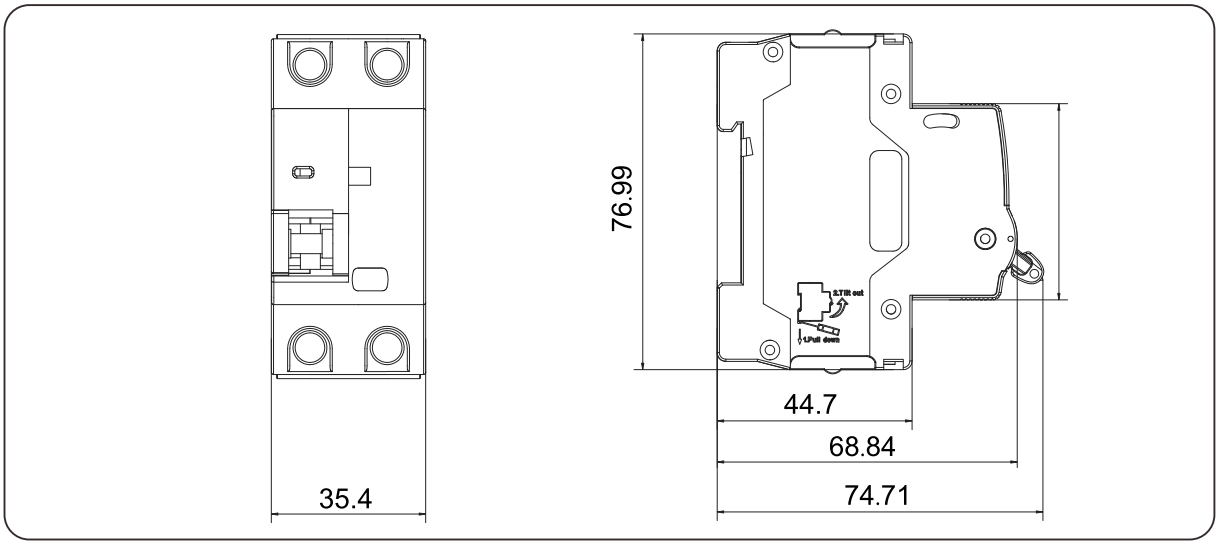
Curve



Technical Parameters

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N
	Type(wave form of the earth leakage sensed)		AC、A
	Thermomagnetic release characteristic		B,C,D
	Rated current In	A	6,10,16,20,25,32,40,50,63
	Rated voltage Ue	V	230
	Rated sensitivity I△n	A	0.03,0.1,0.3
	Rated residual making and breaking capacity I△m	A	630
	Rated short-circuit capacity Icn	A	6000
	Break time under I△n	S	≤0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectrictest voltage at ind.Freq.for1min	Kv	2
	Insulation voltage Ui	V	500
	Pollution degree		2
Mechanical features	Electrical life	t	10000
	Mechanical life	t	20000
	Contact position indicator		Yes
	Protection degree	t	IP20
	Ambient temperature(with daily average≤35℃)	℃	-5~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar
	Mounting		On DIN rail EN60715(35mm)by means of fast clip device
	Connection		From top

Dimensions and Installation Sizes(mm)



Tripping Characteristics

Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t≤1h(In≤63A)	Not tripping
	1.13In	t≤2h(In>63A)	
B,C,D	1.45In	t<1h(In≤63A)	Tripping
	1.45In	t<2h(In>63A)	
B,C,D	2.55In	1s<t<60s(In≤32A)	Tripping
	2.55In	1s<t<120s(In>32A)	

Type	Test current	Tripping time	Expected result
B	3In	t≤0.1s	Not tripping
C	5In	t≤0.1s	
D	10In	t≤0.1s	
B	5In	t<0.1s	Tripping
C	10In	t<0.1s	
D	20In	t<0.1s	