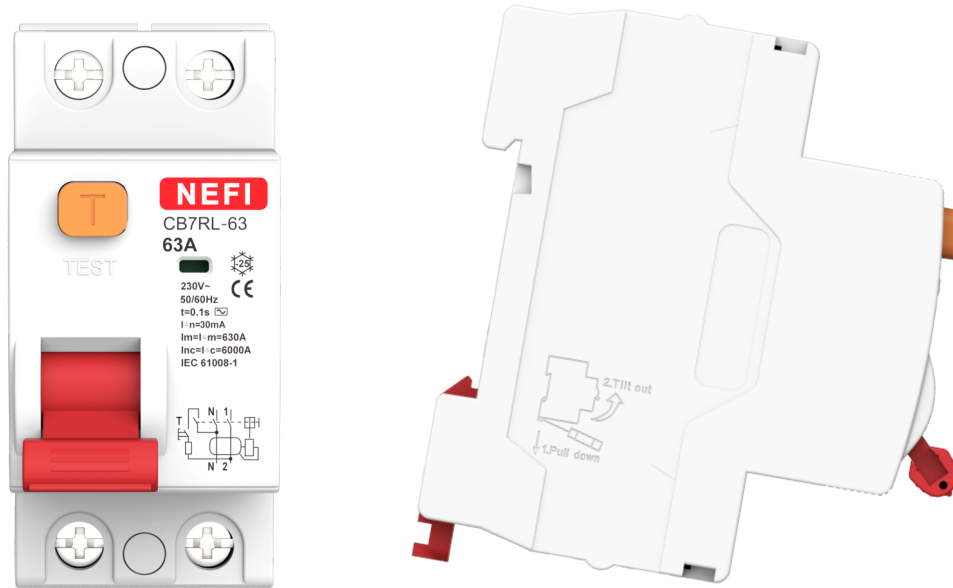


CB7RL-63 Residual Current Operated Circuit Breaker(Electromagnetic)



General

Function

- Control electric circuits.
- Protect people against indirect contacts and additional protection against direct contacts.
- Protect installations against fire hazard due to insulation faults.
- Residual current circuit breakers are used in housing, tertiary sector and industry.

Selection

Detectable wave form

- AC Type

Tripping is ensured for slowly increasing sinusoidal AC residual currents.

- A Type

Tripping is ensured for sinusoidal AC residual currents and for pulsed DC residual currents, whether applied suddenly or increasing slowly.

Tripping sensitivity

- 10mA - precision instrument leakage protection and bathroom use.
- 30mA - additional protection against direct contact.
- 300mA - protection against indirect contacts, as well as fire hazard.

Tripping time

Instantaneous. It ensures instantaneous tripping (without time-delay).

Standard: IEC61008-1

Selection

CB7RL	63	1P+N	63	100mA	A Type
Model	Shell grade current	Number of poles	Rated current	Rated residual operating current	Type
RCCB Electromagnetic	63	1P+N 3P+N	6,10,16, 20,25,32, 40,50,63	Default: 30mA 100mA 300mA	Default: AC Type A Type

Technical Parameters

Type	Standard		IEC61008-1
Electrical features	Leakage type		Electromagnetic type
	Rated current In	A	6, 10, 25, 32, 40, 50, 63
	Type(wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N, 3P+N
	Rated voltage Ue	V	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity Inc=I Δ c	A	6000
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind.Freg.for 1min	Kv	2.5
Mechanical features	Rated sensitivity I Δ n	A	0.03, 0.1, 0.3
	Rated residual making and breaking capacity I Δ m	A	500(In \leq 40A), 630(In=50A/63A)
	Pollution degree		2
	Electrical life	times	4000
	Mechanical life	times	8000
	Protection degree		IP20
	Storage temperature	°C	-25~+70
	Ambient temperature(with daily averages \leq 35°C)	°C	-5~+40
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	25/35
		AWG	18-3/18-2
	Terminal size top/bottom for busbar	mm ²	10-16
		AWG	18-8/18-5
	Tightening torque	N*m	2.5
		In-lbs	22
	Mounting		On DIN rail EN60715(35mm) by means of fast clip device
	Connection		From top or bottom

Dimensions and Installation Sizes(mm)

