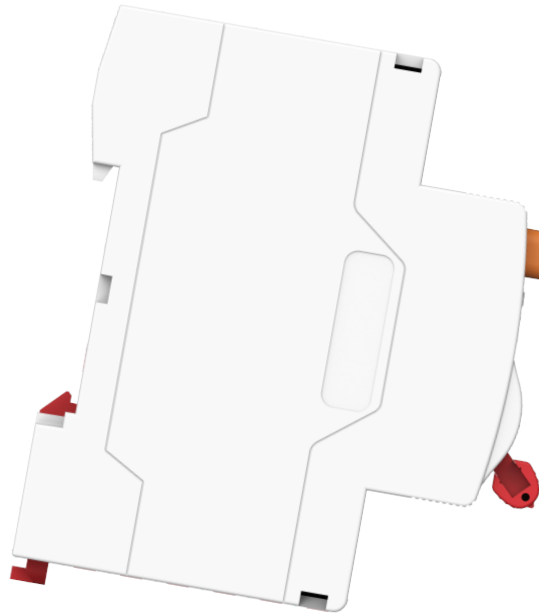
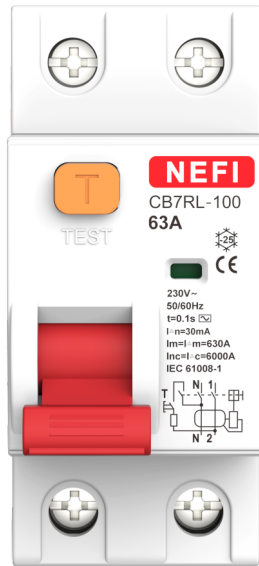


CB7RL-100 Residual Current Operated Circuit Breaker(Electromagnetic)



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	100	1P+N	63	100mA	A Type
↓	↓	↓	↓	↓	↓
Model	Shell grade current	Number of poles	Rated current	Rated residual operating current	Type
RCCB Electromagnetic	100	1P+N 3P+N	6,10,16, 25,32,40, 50,63,80,100	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, 16, 25, 32, 40, 50, 63, 80, 100
	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=IΔc	A	6000, 10000
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind.Freq.for 1min	Kv	2.5
	Rated sensitivity IΔn	A	0.03, 0.1, 0.3
	Rated residual making and breaking capacity IΔm	A	500(In≤40A); 630(In=50A/63A); 1000(In=80A/100A)
	Pollution degree		2
	Electrical life	t	4000
Mechanical features	Mechanical life	t	8000
	Protection degree		IP20
	Storage temperature	°C	-25~+70
	Ambient temperature(with daily averages≤35°C)	°C	-5~+40
	Terminal connection type		Cable/Pin-type busbar/U-type busbar
Installation	Terminal size top/bottom for cable	mm²	25/35
	Terminal size top/bottom for busbar	AWG	18-3/18-2
	Tightening torque	mm²	10-16
		AWG	18-8/18-5
	Mounting	N*m	2.5
		In-lbs	22
	Connection		On DIN rail EN 60715(35mm)by means of fast clip device
			From top or bottom

Dimensions and Installation Sizes(mm)

