

## Final Distribution

# YCB3RL-63 RCBO Electromagnetic



### General

YCB3RL-63 series electromagnetic residual current operated circuit breaker is mainly suitable for AC distribution networks with a rated working voltage of 230V or 400V at 50/60Hz and a rated current of 63A. Used for indirect contact protection of people, and can also be used to prevent fire hazards caused by insulation damage to circuits and equipment, resulting in ground fault currents.

### Feature

1. Protection against the effects of sinusoidal alternating earth fault currents.
2. The leakage protection feature does not require an auxiliary power supply.
3. Not affected by voltage fluctuations in the power grid.

### Type designation

Model	Shell grade current	Poles	Rated current	Rated residual operating	Type	
YCB3RL	-	63	1P+N	63	30mA	A Type
RCCB Electromagnetic	63	1P+N 3P+N	6 10 16 20 25 32 40 50 63	Default: 10mA 30mA 100mA 300mA	Default: AC Type A Type	

Note: This product cannot be assembled with attachments

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### Technical data

A

Type	Standard		
Electrical features	Leakage type		Electromagnetic type
	Rated current $I_n$	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 $U_e$	V	230/400
	Insulation voltage $U_i$	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity $I_{nc}=I_{\Delta c}$	A	6000
	Rated impulse withstand voltage(1.2/50) $U_{imp}$	V	6000
	Dielectric test voltage at ind.Freq.for 1min	Kv	2.5
	Rated sensitivity $I_{\Delta n}$	A	0.01,0.03, 0.1, 0.3,
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500( $I_n \leq 40A$ );630( $I_n = 50A/63A$ )
	Pollution degree		2
Mechanical features	Electrical life	times	4000
	Mechanical life	times	8000
	Protection degree		IP20
	Storage temperature	°C	-25~+70
	Ambient temperature(with daily average $\leq 35^\circ\text{C}$ )	°C	-5~+40
Terminal connection type	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/ bottom for cable	mm <sup>2</sup>	25/35
		AWG	18-3/18-2
	Terminal size top/ bottom for busbar	mm <sup>2</sup>	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	

### Overall and mounting dimensions(mm)

