

YCB7RL-100 RCCB Electromagnetic



General

YCB7RL-100 series electromagnetic residual current operated circuit breaker is mainly suitable for AC distribution networks with a rated working voltage of 230V or 400V at 50Hz 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

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

Selection

Model	Shell grade current	Pole	Rated current	Rated residual operating current	Type
YCB7RL	-	1P+N	63	100mA	A Type
RCCB Electromagnetic	-	1P+N 3P+N	6 10 16 20 25 32 40 50 63	Default: 30mA 100mA 300mA	Default: AC Type A Type

Note: This product cannot be assembled with attachments

Modular DIN Rail

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A

Technical data

Model	YCB7RL-100		
Electrical features	Leakage type		Electromagnetic type
	Rated current I_n	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 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, 10000
	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	0.03, 0.1, 0.3
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500($I_n \leq 40A$); 630($I_n = 50A/63A$); 1000($I_n = 80A/100A$)
	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 average $\leq 35^\circ\text{C}$)	°C	-5~+40
	Terminal connection type		Cable/Pin-type busbar/U-type busbar
Installation	Terminal size top / bottom for cable	mm ²	25/35
	Terminal size top / bottom for busbar	AWG	18-3/18-2
	Tightening torque	mm ²	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	

Overall and mounting dimensions(mm)

