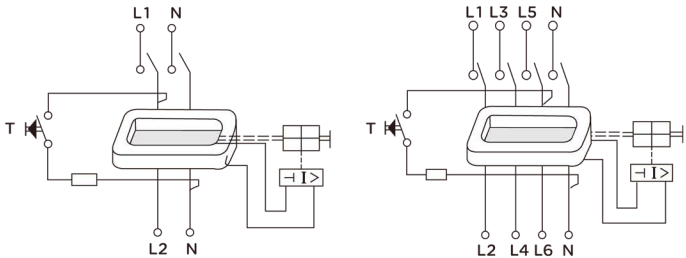
PID-125 Series
Residual Current Circuit Breaker

Application

The items is in comply with standard of IEC61008-1,applying to the circuit of AC 50/60Hz,230V single phase,400V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wire net, this is a current operated, fast leakage protector of pure electromagnetic type, which can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high working reliability. The function of the switch won't be influenced by ambient temperature and lightning. The mutual inductor of the item is used to test vector differential value of passing current, and produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

PID-125 Series
Residual Current Circuit Breaker

Working Principle



(A) 2-POLE (B) 4-POLE

Specifications

	Standard		IEC/EN 61008
Electrical features	Mode		Electro-magnetic type, electronic type
	Type(wave form of the earth leakage sensed)		A,AC
	Rated current In	A	16,25,32,40,63,80,100,125
	Poles	P	2,4
	Rated voltage Ue	V	AC 240/415
	Rated sensitivity I△n	A	0.01,0.03,0.1,0.3,0.5
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity I△m	A	1250
	Short-circuit current I△c	A	6000
	SCPD fuse	A	6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life		4,000
	Mechanical life		10,000
	Protection degre		IP20
	Ambient temperature(with daily average≤35℃)	℃	-25 ~ +40
	Storage temperature	℃	-25 ~ +70

	Standard		IEC/EN 61008
Installation	Terminal connection type		Cable/U-type busbar/Pin-type busbar
	Terminal size top for cable	mm^2	35
		AWG	18-3
	Terminal size top for busbar	mm^2	35
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs	22
	Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection		From top and bottom

Wiring Diagram