

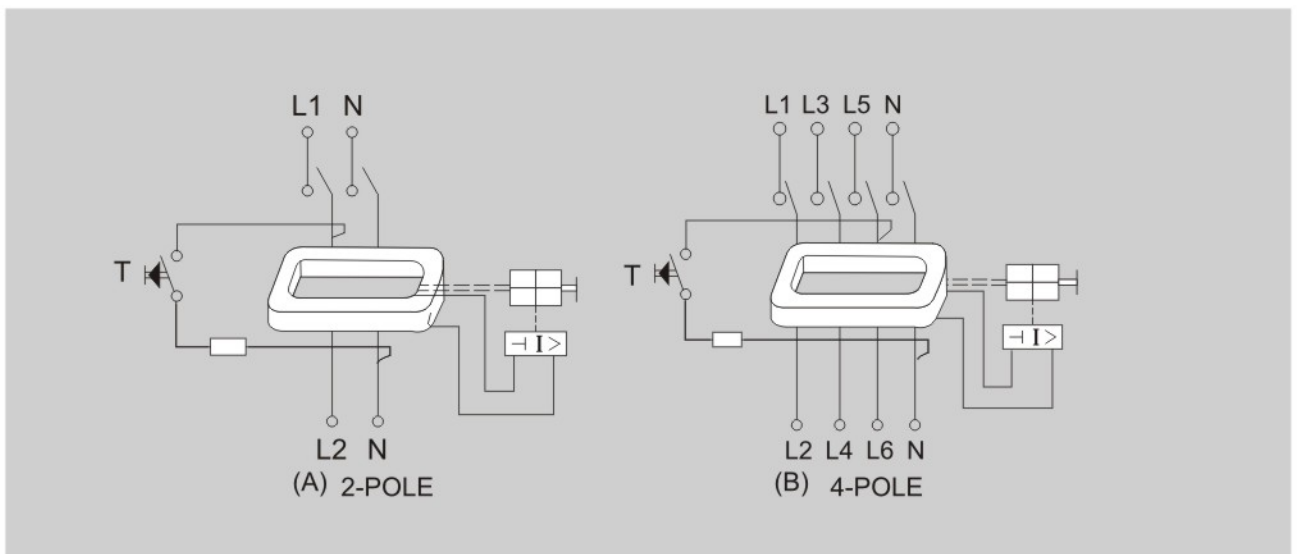
LFL360 Residual Current Circuit Breaker



1. General

The item 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.

2. Working principle



LFL360 Residual Current Circuit Breaker**3. Specifications**

Standard			IEC61008-1
Electrical features	Type(wave form of the earth leakage sensed)		A,AC, <u>S</u>
	Rated current In	A	16,25,32,40,63,80,100
	Poles	P	2,4
	Rated voltage Ue	V	230/400
	Rated sensitivity IΔn	A	0.01,0.03,0.1,0.3
	Insulation voltage Ui	V	500
	Rated residual making and breaking capacity IΔm	A	630
	Short-circuit current IΔc	A	4500,6000
	SCPD fuse	A	 6000
	Rated frequency	Hz	50/60
	Pollution degree		2
Mechanical features	Electrical life	t	6000
	Mechanical life	t	10000
	Protection degree		IP20
	Ambient temperature (with daily average≤35℃)	℃	-25~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Terminal with clip
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs.	22
	Mounting		On DIN rail EN 6071 5(35mm)by means of fast clip device
	Connection		From top and bottom

4. Overall and mounting dimensions(mm)