

# LK18 系列漏电保护开关

## LK18 series residual current protection switch

低压元件  
L.V. Apparatus



### 用途:

LK18系列漏电保护开关适用于交流50Hz，电压220V，额定电流16，32，40A的电路中，作人身触电保护之用。当有人触电或回路泄漏电流超过30mA时，漏电保护开关能在0.1s内自动将电源切断，保护人身安全和防止发生因泄漏电流造成的事故。

### Application:

**LK18 series residual current protection switch** applies to AC 50Hz, the voltage of 220V, and the rated current of 16, 32 and 40A, and can protect human from electric shock. When someone is electrocuted or circuit leakage current exceeds 30mA, the residual current protection switch can automatically cut off the power supply in 0.1s, to protect human safety and to prevent accidents caused by residual current.

### 特点:

- 采用坡莫合金的环型零序电流互感器，抗干扰能力好。
- 触头采用银氧化镉材料，分断能力高。
- 电路故障，其电压降至50V仍能正常工作。
- 执行标准：IEC 61008-1，GB16916.1

### Characteristics:

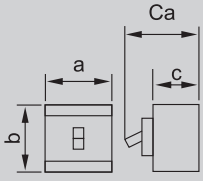
- Ring zero-sequence current transformer is made of the permalloy, and it can resist the disturbance efficiently.
- Contact is made of silver cadmium oxide, it has a high breaking capacity.
- It can work normally when the circuit broke down, and the voltage down to 50V.
- Implementation of standards: IEC 61008-1 & GB 16916.1

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### 主要技术参数 Major technical parameters

序号 S/N	项目 Items	单位 Unit	技术参数 Technical Parameters	
			LK18-40	
1	壳架等级电流 $I_{nm}$ Frame current	A	40	
2	极线数 Poles		2	
3	额定工作电压 $U_e$ Rated operating voltage	V	AC50Hz 220	
4	额定电流 $I_n$ Rated current	A	16、32、40	
5	额定剩余动作电流 $I_{\Delta n}$ Rated residual operating current $I_{\Delta n}$	mA	30	
6	$I_{\Delta n}$ 分断时间 Breaking time at $I_{\Delta n}$	S	0.1	
7	额定短路接通分断能力 $I_m$ Rated residual short-circuit making breaking capacity	A	500	
8	额定限制短路电流 $I_{nc}$ Rated ultimate short-circuit current	A	1500	
9	外型尺寸 Dimension		a	71
			b	80
			c	40
			Ca	57.5