

Y33系列剩余电流互感器	Y33 series residual current transformer
版本 Version	B.01



应用 Applications

- ◆ 剩余电流式电气火灾监控系统
- ◆ Residual current alarm and control system for electric fire prevention

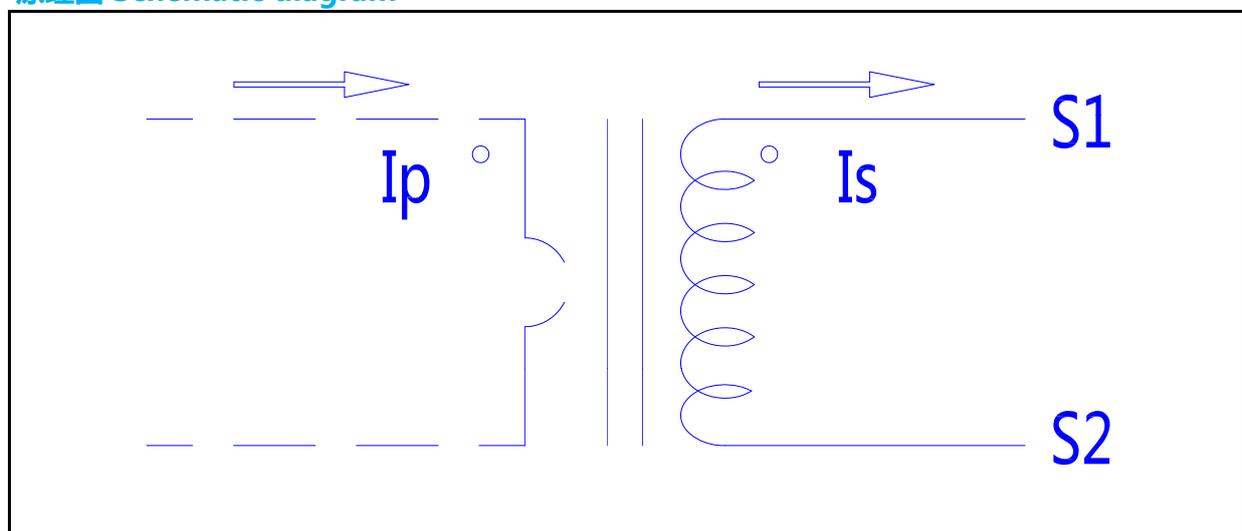
产品特点 Features

- ◆ 电气绝缘性能优良
- ◆ High electric isolation capability
- ◆ 矩形结构,原边主电流范围大
- ◆ Wide current range of the primary bus bar due to the rectangle structure
- ◆ 四角4个固定圆孔
- ◆ 4 mounting holes at the corners

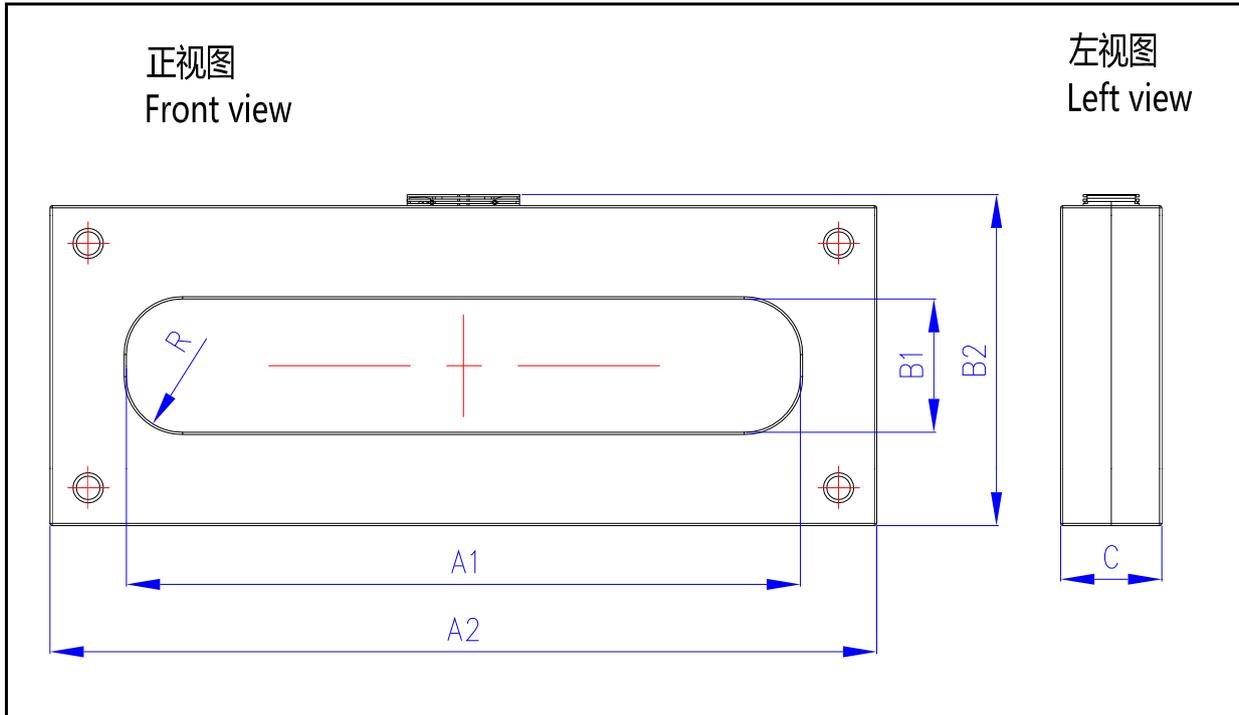
性能参数 Characteristic data

f	工作频率	Frequency bandwidth	50..400	Hz
I_{PN}	额定输入剩余电流	Rated primary residual current, AC	1	A
I_{SN}	额定输出电流	Rated secondary current @ I_{PN} , AC	0.5	mA
V_d	工频耐压	Rms voltage for AC insulation test, 50 Hz, 1 min	>2500	V
R_i	绝缘电阻	Insulation resistance @DC 500V	>100	M Ω
T_a	工作温度	Ambient operating temperature	-25..+75	$^{\circ}$ C
T_s	存储温度	Ambient storage temperature	-40..+80	$^{\circ}$ C
RH	环境相对湿度	Relative humidity	\leq 95	%RH
	外壳材料	Plastic materials of housing case	PC / ABS	
	外壳材料阻燃性	Flammability of plastic materials	UL 94-V0	
	外壳颜色	Color of housing case	黑色 Black	
R_M	取样电阻	Resistance of secondary measure resistor	200..500 Recommended 500	Ω
X	精度等级	Accuracy class	0.5	%

原理图 Schematic diagram



外形图 Mechanical outline (mm)



型号 Model	主回路电流范围 Current range of bus bar AC(A)	A1	B1	A2	B2	C	R
Y33-12230	0..160	122	30	170	94	45	12
Y33-22050	0..630	220	50	288	134	45	20
Y33-30060	0..1000	300	60	368	144	45	25
Y33-400120	0..1600	400	120	504	240	60	50
Y33-500160	0..2000	500	160	612	288	60	70

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