

Y31C系列剩余电流互感器	Y31C 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
- ◆ 环形结构,对电缆或母线进入方向和位置要求低
- ◆ Good direction and position performance of the cables or the bus bars due to the ring structure
- ◆ 副边连接为2*Φ0.3mm双芯电缆
- ◆ The secondary connection: 2*Φ0.3mm cables

性能参数 Characteristic data

<i>f</i>	工作频率	Frequency bandwidth	50..400	Hz
<i>Vd</i>	工频耐压	Rms voltage for AC insulation test, 50 Hz, 1 min	5000	V
<i>Ri</i>	绝缘电阻	Insulation resistance @DC 500V	1000	MΩ
<i>Ta</i>	工作温度	Ambient operating temperature	-25..+65	°C
<i>Ts</i>	存储温度	Ambient storage temperature	-40..+80	°C
<i>RH</i>	环境相对湿度	Relative humidity	≤95	%RH
	外壳材料	Plastic materials of housing case	PBT	
	外壳材料阻燃性	Flammability of plastic materials	UL 94-V0	
	副边输出电缆	Connection of the secondary	2*Φ0.3mm,1.5m length	

精度表 Accuracy table

- ◆ 原边额定输入剩余电流: AC, 1A

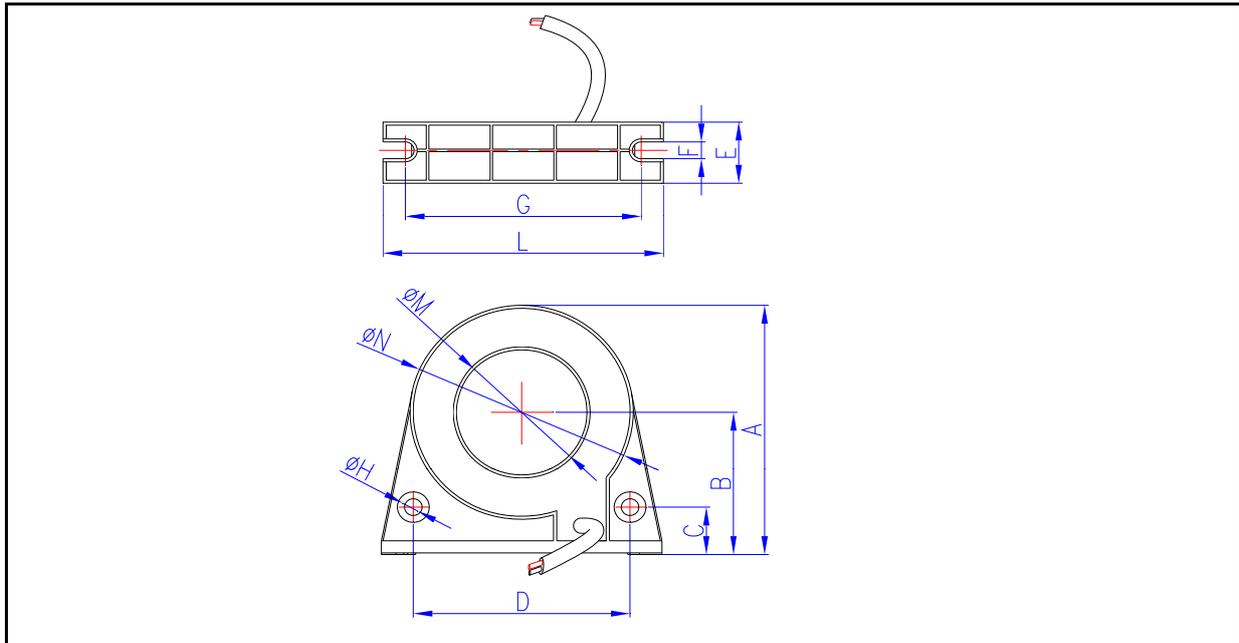
Rated primary residual current: AC, 1A

额定输出 Rated secondary output current mA	额定负载 Rated secondary measure resistance Ω	精度等级 Accuracy class %
1	500	2
0.5	1000	1
0.4	1250	0.5
0.25	2000	0.2

型号表 Model table

型号 Model type	原边输入剩余电流范围 Residual current range of primary AC (A)	参考原边主回路电流范围 Recommended current range of primary bus bar AC (A)
Y31C-35	0.1	0..40
Y31C-55		0..100
Y31C-75		0..200
Y31C-105		0..320

外形图Mechanical outline (mm)



型号 Model	A	B	C	D	E	F	G	H	M	N	L
Y31C-35	82	46.5	15.5	68	20	5.5	74	5.5	41	70	88
Y31C-55	98	54.5	18.5	87	21	5.5	94	5.5	59	87	108
Y31C-75	116.5	62.5	20.5	106	20	5.5	116	5.5	78	108	130
Y31C-105	155.5	84	25.5	136	21	8.5	152	8.5	108	143	170

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