

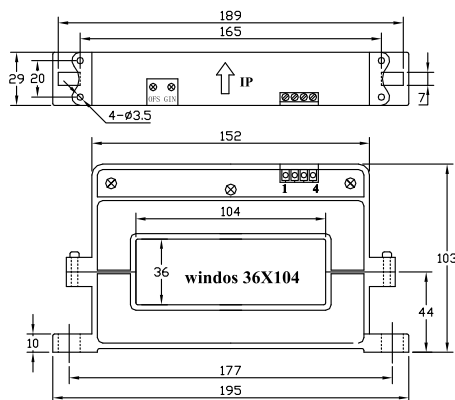


应用霍尔效应开环原理的电流传感器，能在电隔离条件下测量直流、交流、脉冲以及各种不规则波形的电流。
Open loop current sensor based on the principle of Hall-effect. It can be used for measuring AC, DC, pulsed and mixed current.

电参数/Electrical characteristics

	型号 Type	FS600KA	FS1000KA	FS2000KA	FS3000KA	FS5000KA	
I _{PN}	原边额定输入电流 Primary nominal input current	600	1000	2000	3000	5000	A
I _P	原边电流测量范围 Measuring range of primary current	0~±1200	0~±2000	0~±4000	0~±6000	0~±7500	A
V _{OUT}	副边额定输出电压 Nominal output voltage	4±1%					V
V _C	电源电压 Supply voltage	±12~±15 (±5%)					V
I _C	电流消耗 Current consumption	V _C =±15V	<25				mA
V _d	绝缘电压 Insulation voltage	在原边与副边电路之间2.5KV有效值/50Hz/1分钟					
ε _L	线性度 Linearity	<1					%FS
V ₀	零点失调电压 Offset voltage	T _A =25°C	<±25				mV
V _{OM}	磁失调电压 Residual voltage	I _{PN} →0	<±30				mV
V _{OT}	失调电压温漂 Thermal drift of V ₀	I _{PN} =0 T _A =-25~+85°C	<±1				mV/°C
T _r	响应时间 Response time	<7					μs
f	频带宽度(-3dB) Frequency bandwidth(-3dB)	DC~20					kHz
T _A	工作环境温度 Ambient operating temperature	-25~+85					°C
T _S	贮存环境温度 Ambient storage temperature	-40~+100					°C
R _L	负载电阻 Load resistance	≥10K					Ω
	标准 Standard	GI/FS-0105					

外形尺寸 (mm) /Dimensions of drawing (mm)



端子输出: 1,+15V 2,-15V 3,Vout 4,0V(电源地) OFS,零点调节GIN,幅度调节
Elucidation: 1:+15V 2:-15V 3:VOUT 4:0V(GND) OFS:Zero adjustment GIN:Gain adjustment (Red:+15V Blue:-15V Yellow:VOUT Black:0V)

使用说明/Remarks

- 错误的接线可能导致传感器损坏。传感器通电后，当被测电流从传感器箭头方向穿过，即可在输出端测得同相电压值。
 - 传感器的输出幅度可根据用户需求进行适当的调节。
 - 可按用户需求定制不同额定输入电流和输出电压的传感器。
- Incorrect connection may lead to the damage of the sensor.
·VOUT is positive when the IP flows in the direction of the arrow.