



CS6000KAC

Hall-effect Current Sensor Series

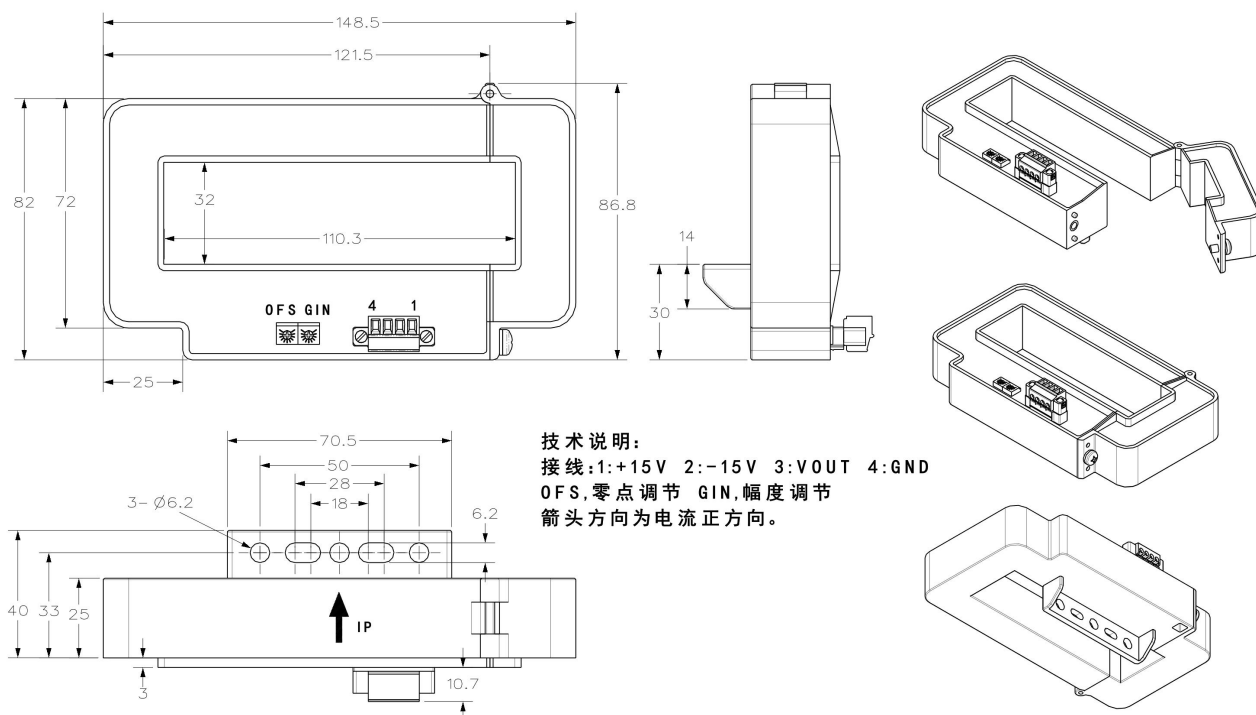
Open loop current sensor based on the principle of Hall-effect. It can be used for measuring AC,DC,pulsed and mixed current.



Electrical characteristics

	Type	CS500KAC	CS1000KAC	CS2000KAC	CS3000KAC	CS6000KAC	
I _{PN}	Primary nominal input current	500	1000	2000	3000	6000	A
I _P	Measuring range of primary current	0~±1000	0~±2000	0~±4000	0~±6000	0~±8000	A
V _{OUT}	Nominal output voltage	5±1%					V
V _C	Supply voltage	±12~±15(±5%)					V
I _C	Current consumption	V _C =±15V	<30				mA
V _D	Insulation voltage	AC/50Hz/1min				5	kV
ε _L	Linearity	<1					%FS
V _O	Offset voltage	T _A =25℃	<±25				mV
V _{OM}	Residual voltage	I _{PN} →0	<±20				mV
V _{OT}	Thermal drift of V ₀	I _P =0 T _A =-25~+85℃				<±1	mV/℃
T _R	Response time	≤7					μs
f	Frequency bandwidth(-3dB)	DC~20					kHz
T _A	Ambient operating temperature	-25~+85					℃
T _S	Ambient storage temperature	-25~+100					℃
R _L	Load resistance	≥10					KΩ
m	Mass	610					g
	Standard	Q/320115QHKJ-2016					

Dimensions of drawing (mm)



技术说明:
接线:1:+15V 2:-15V 3:VOUT 4:GND
OFS,零点调节 GIN,幅度调节
箭头方向为电流正方向。

Elucidation: 1:+15V 2:-15V 3: VOUT 4:0V(GND) OFS:Zero adjustment GIN:Gain adjustment

Remarks

- Incorrect connection may lead to the damage of the sensor.
- V_{OUT} is positive when the I_P flows in the direction of the arrow.