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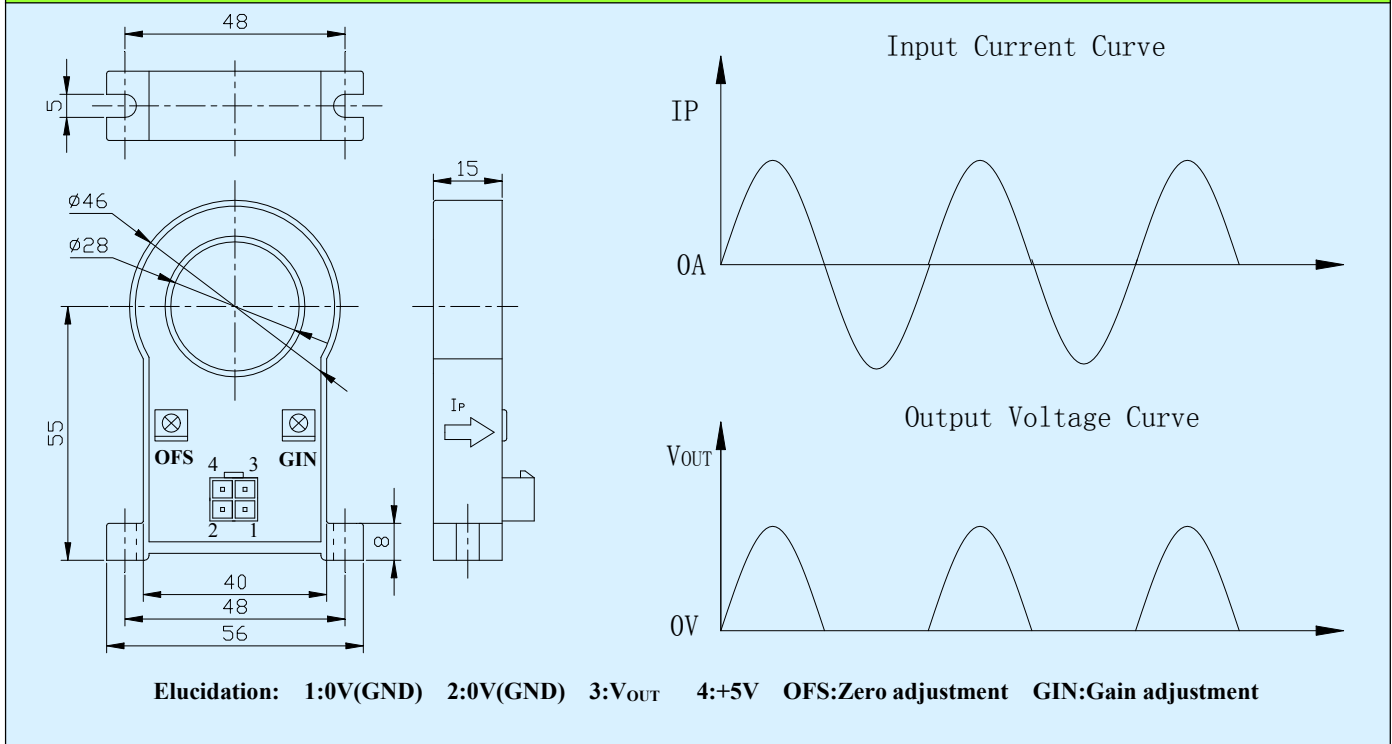
CS600E2T2 Hall-effect Current Sensor Series



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	CS100E2T2	CS200E2T2	CS300E2T2	CS400E2T2	CS500E2T2	CS600E2T2	
I_{PN}	Primary nominal input current	100	200	300	400	500	600	A
I_P	Measuring range of primary current	0~100	0~200	0~300	0~400	0~500	0~600	A
V_{OUT}	Nominal output voltage	5±1%						V
V_C	Supply voltage	+5(±5%)						V
I_C	Current consumption	$V_C=+5V$		<25			mA	
V_D	Insulation voltage	AC/50Hz/1min		2.5			kV	
ϵ_L	Linearity	<1						%FS
V_O	Offset voltage	$T_A=25^\circ C$		<20			mV	
V_{OM}	Residual voltage	$I_{PN} \rightarrow 0$		<20			mV	
V_{OT}	Thermal drift of V_O	$I_P=0$ $T_A=-25 \sim +85^\circ C$		<±1			mV/°C	
T_R	Response time	≤5						μs
f	Frequency bandwidth(-3dB)	DC~20						kHz
T_A	Ambient operating temperature	-25~+85						°C
T_S	Ambient storage temperature	-40~+100						°C
R_L	Load resistance	≥10						KΩ
m	Mass	78						g
	Standard	Q/320115QHKJ01-2013						

Dimensions of drawing (mm)



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.