



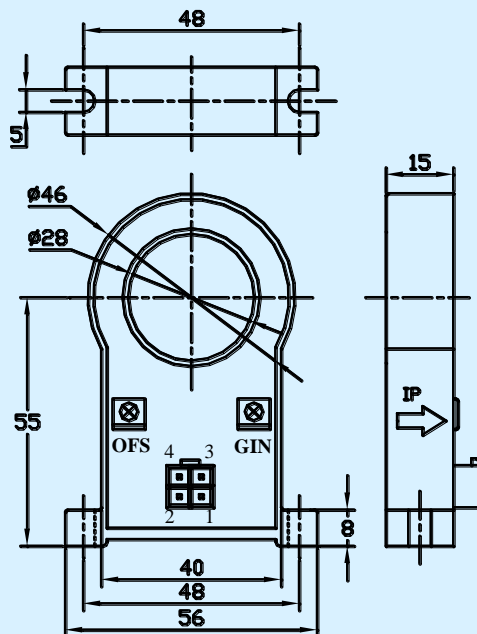
## CS600E2 Hall-effect Current Sensor Series



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	CS100E2	CS200E2	CS300E2	CS400E2	CS500E2	CS600E2		
$I_{PN}$	Primary nominal input current	100	200	300	400	500	600	A
$I_P$	Measuring range of primary current	0~±200	0~±400	0~±600	0~±800	0~±1000	0~±1000	A
$V_{OUT}$	Nominal output voltage	4±1%						V
$V_C$	Supply voltage	±15(±5%)						V
$I_C$	Current consumption	$V_C=±15V$			<20			mA
$V_D$	Insulation voltage	AC/50Hz/1min			2.5			kV
$\epsilon_L$	Linearity	<1						%FS
$V_O$	Offset voltage	$T_A=25^\circ C$			<±25			mV
$V_{OM}$	Residual voltage	$I_{PN} \rightarrow 0$			<±20			mV
$V_{OT}$	Thermal drift of $V_0$	$I_P=0$ $T_A=-25\sim+85^\circ C$			<±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
	Standard	Q/3201CHGL02-2007						

### Dimensions of drawing (mm)



Elucidation: 1:0V 2:-15V 3: $V_{OUT}$  4:+15V 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.