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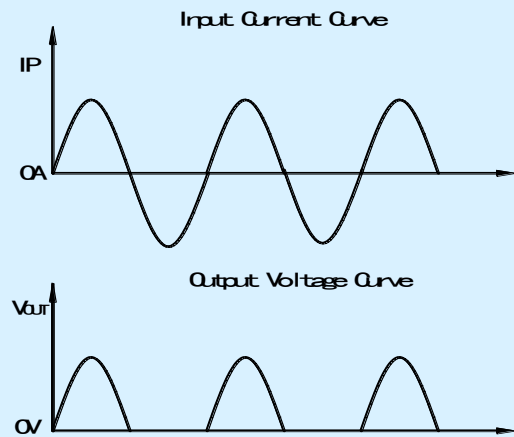
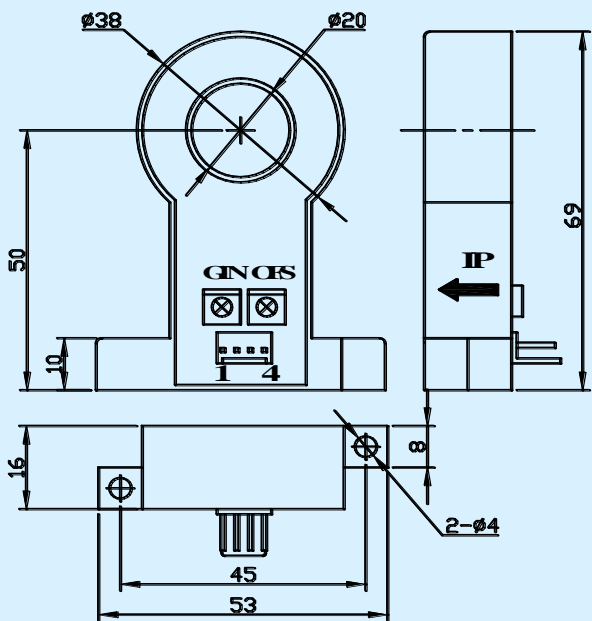
CS500ET2 Hall-effect Current Sensor Series

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	CS050ET2	CS100ET2	CS200ET2	CS300ET2	CS400ET2	CS500ET2		
I_{PN}	Primary nominal input current	50	100	200	300	400	500	A
I_P	Measuring range of primary current	0~100	0~200	0~400	0~600	0~800	0~800	A
V_{OUT}	Nominal output voltage	4±1%						V
V_C	Supply voltage	+12~+15(±5%)						V
I_C	Current consumption	$V_C=+15V$			<20			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	≤7						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/320115QHKJ01-2010						

Dimensions of drawing (mm)



Elucidation: 1:+15V 2:0V(GND) 3: V_{OUT} 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.