

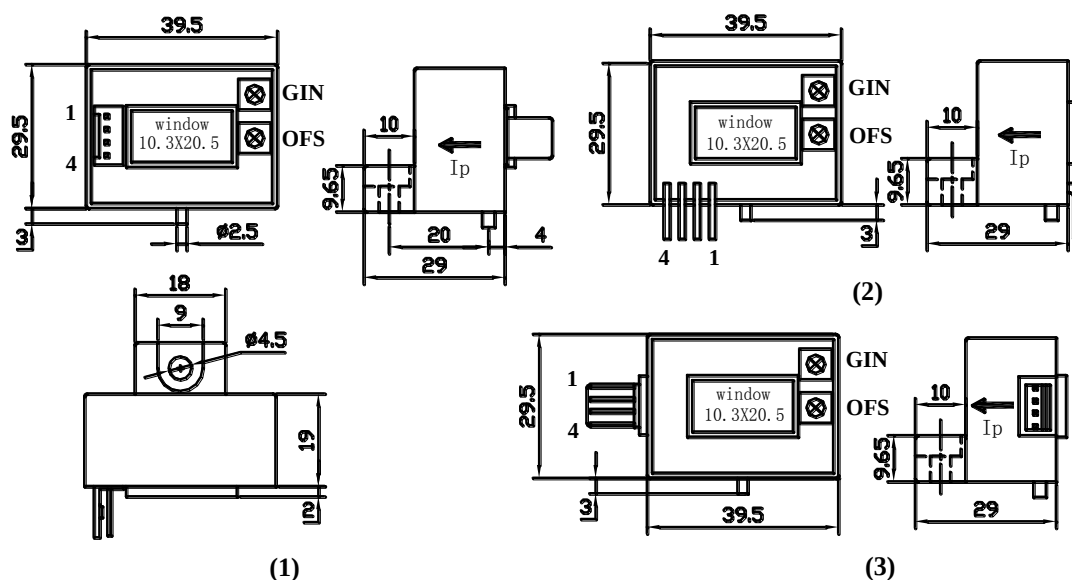


Open loop current sensor based on the principle of Hall-effect. It can be used for measuring AC,DC,pulsed and mixed current.

Electrical characteristics

	Type	ASC100B	ASC200B	ASC300B	ASC400B	ASC500B	ASC600B	
I _{PN}	Primary nominal input current	100	200	300	400	500	600	A
I _P	Measuring range of primary current	0~±300	0~±600	0~±900	0~±900	0~±900	0~±900	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
ε _L	Linearity	<1						%FS
V _O	Offset voltage	T _A =25 °C <±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 °C <±1						mV/°C
T _R	Response time	≤3						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
	Special range	Other intermediate input ranges available on request						

Dimensions of drawing (mm)



Termination Details: 1:+15V 2:-15V 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.**