



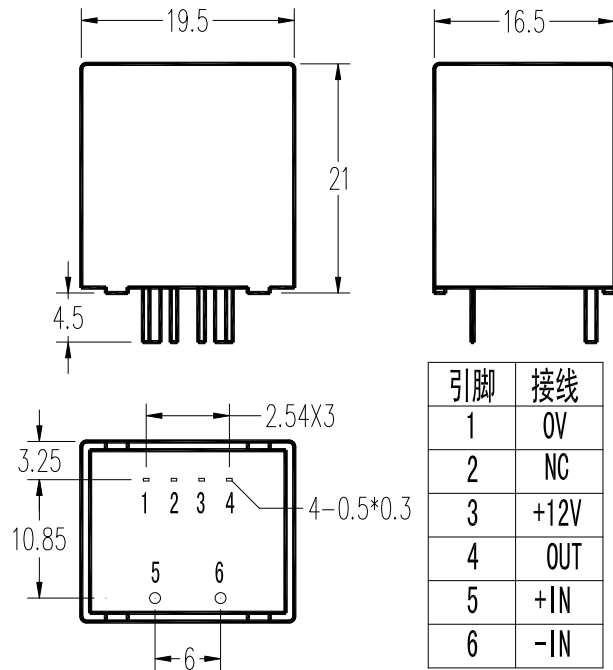
HBC03SY12 Series Hall Effect Current Sensor

The HBC03SY12 series current sensor is an open loop device based on the measuring principle of the Hall Effect, with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

ELECTRICAL DATA

	HBC03SY12	
Rated Current	3	A
Turns ratio	10: 1000	
Pin size	Φ0.65	mm
Rated Output voltage	2.5±1%	V
Supply Voltage	12±5%	V
Static current consumption	≤15	mA
Zero current maladjustment	2.5V±20	mV
Offset Voltage Drift	≤±1.0	mV/℃
Linearity	≤±0.5	%FS
Response Time	<1	μS
Isolation voltage (50HZ,1min)	2.5	KV
Operating Temperature	-20~+85	℃
Storage Temperature	-40~+105	℃

MUTING DIMENSIONS(FOR REFERENCE ONLY)



INSTRUCTIONS FOR USE

1. When the current will be measured goes through a sensor, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the sensor).
2. The output amplitude of the sensor can be adjusted according to users' requirements.