



AC/DC Current Sensor CYCS121G27

The **CYCS121G27** AC/DC current Sensor/Transducer works according to photoelectric isolation principle and is designed for applications to measurement and monitoring of small AC/DC current. The output signal of this transducer is proportional to input current. They are suitable for measurements and long time monitoring of C/DC currents etc.

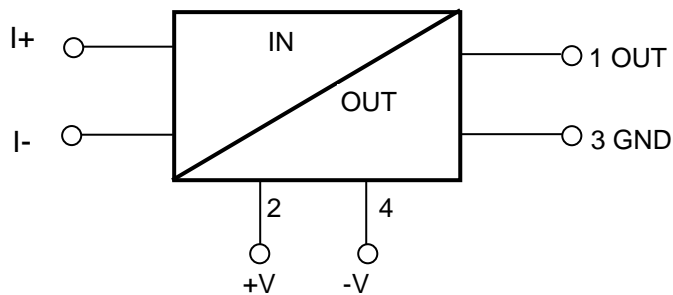
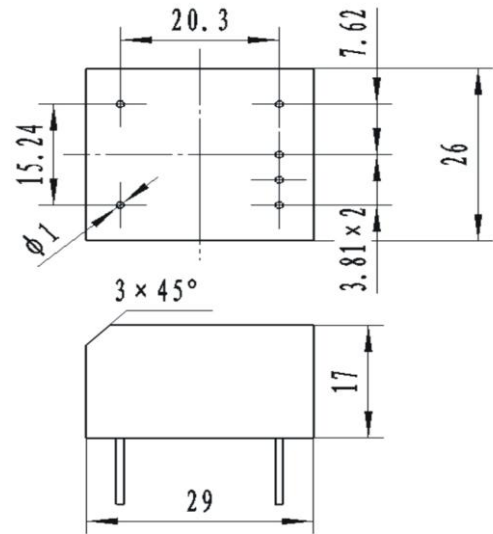
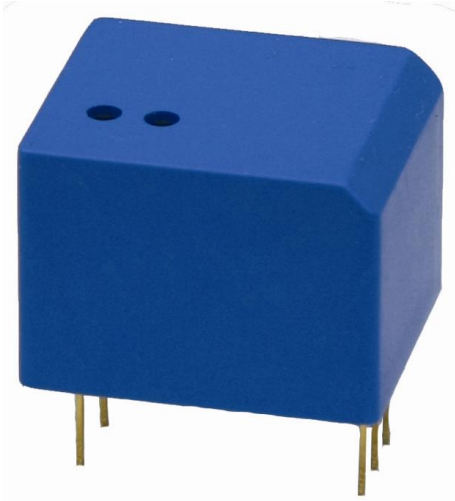
The sensor has the advantages of high measuring accuracy, high reliability, low thermal drift, low current consumption, small size, PCB mounting etc.

Specifications

Part number	CYCS121G27
Rated input current range	0 ~ 0.1mA AC/DC
Linear measuring range	0 ~ 2 time of rated input current
Overload capacity	10 times
Frequency range	DC ~ 1.5kHz
Input resistance	Ri=1kΩ ±5%
Output signals	Tracing voltage 0-1V AC/DC
Measuring accuracy	0.5%
Load capacity	5mA
Response time	≤45μs
Thermal drift	150ppm/°C
Power supply	±12V DC
Static current	17mA
Isolation	Isolation between input and output, power supply at output
Isolation withstanding voltage	3 kV DC, 1min
Operating temperature	-10°C ~ +70°C
Storage temperature	-25°C ~ + 70°C
Relative humidity	10% ~ 90%
Protection of Case	IP20
Material of Case	ABS (According to UL94V-0)
Mounting	PCB
MTBF	30000 h
Unit weight	30g



DIMENSIONS (mm)



Dimensions: 29mm x 26mm x 17mm

Notice:

1. Connect the input current correctly
2. Make sure that the polarities are in right connection
3. If a meter is used to calibrate the output of the transducer, please make sure that the accuracy of the meter is higher than the transducer.