Current Transducer/Sensor

D30 1-phase AC Current Transducer

FEATURES

Transforms the measured 1-phase AC current to the standard DC voltage or DC current output according to the linear proportion;
Excellent anti-interference ability and high accuracy (0.5%);
Perforation input, PCB board mounting;
It was widely applied to all kinds of industrial current online detection system;
Small size, dimension(mm): 21(L)×21(W)×28(H)
aperture: 6.5mm

ELECTRICAL DATA

Standards.....GB/T 13850-1998, IEC688:1992
Input Range.....0~30A can choose 0~10mA, 0~5A etc
Accuracy Grade.....≤0.5%F.S.
Temperature Characteristics....≤100PPM/℃(0~50℃)
Power Consumption.....≤1.0VA
Working Stability.....annual change<0.2%
Isolation Withstand Voltage.....AC2.0KV/min*1mA between input/output/case
Isolation Resistance.....≥20MΩ(DC500V)
Impulse Voltage.....5KV(peak value), 1.2/50uS
Response Time.....≤300mS
Overload Capacity.....2 times current continuous, 30 times current 1 second
Working Environment.....-10℃~50℃, 20%~90% without condensation
Storage Environment.....-40℃~70℃, 20%~95% without condensation

MODEL

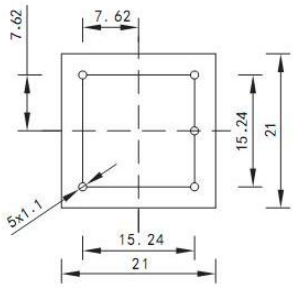
LF-AI12-□□D30-0.5/□
A B C

Model selection1: LF-AI12-32D30-0.5/0~5A
Explanation: this product is a 0~5A input range, 0~5V output, 12V power supply, D30 style 1-phase AC current transducer.

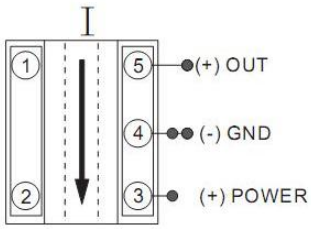
MODEL REMARKS

A. Output range:
3: 0~5V
8: 0~10V
T: Special output
B. Power supply:
2:12V±10%
3:15V±10%
C. Current input range

DIMENSION DIAGRAM



CONNECTION DIAGRAM



NOTE

1. Notice the auxiliary power supply information on the label, make sure power supply's degree and polarity are correct before power on.
2. When the current direction and the marked arrow on the transducer's case in the same direction, the positive output can be obtained.
3. The temperature of primary bus should not be over 60℃, when the current bus fills primary threading hole, the best measuring accuracy can be obtained .