Current Transducer/Sensor

SB6 AC Leakage Current Transducer

FEATURES

*Transformer electromagnetic isolation principle, transforms the measured AC micro current into the standard DC voltage output according to the linear proportion

*Controlled by temperature compensation circuit, small thermal drift ,measure accurately

*Perforation input, plug terminal， screw fastening plane mounting

*It widely applies to the branch way power supply of the isolation online detection in AC power supply system

*Dimension(mm): B6:102(L)×23(W)×86(H ） aperture: 45mm

* This product can meet the technical grade requirements, temperature coefficient: -40~+125℃

MODEL

LF-AI12-□□B6（B7）-1.0/□

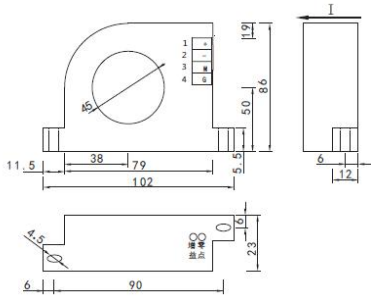
A B C

Model selection1: LF-AI12-32B6-1.0/0~10mA

Explanation: this product is a 0~10mA input range, 0~5V output, 12V power supply,

B6 style AC leakage current sensor.

DIMENSION DIAGRAM



ELECTRICAL DATA

*Input Range：0~500mA can choose 0~10mA, 0~20mA etc

*Accuracy Grade：≤1.0%.F.S

*Linearity Degree：better than 0.2%

*Response Time:≤200mS

*Offset Current: ≤20uA

*Temperature Characteristics:≤150PPM/℃(0~50℃)

*Power Consumption:≤30 mA

*Isolation Withstanding Voltage:AC2.0KV/min*1mA between input /output/ power

*Flame Retardancy:UL94-V0

*Working Environment:-10 ℃ ~50 ℃， 20%~90% without condensation

*Storage Environment:-40 ℃ ~70 ℃， 20%~95% without condensation

MODEL REMARKS

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

CONNECTION DIAGRAM

1 “+” : Positive power supply’s positive wiring end

2 "-" : Negative power supply’s positive wiring end

3 "M": Measuring output end

4 "G": Power and output’s common ground end

Note: when single power supply works, 2 is empty

Note: When the transducer leave factory,

the output zero/gain has adjusted wel l,

Please don’t adjust, it randomly in no special situation.

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