Current Transducer/Sensor

B6 1-way DC Current Transducer

FEATURES

Hall open loop operation principle, can measure current in any waveform, the output terminal can reflect the waveforms parameters of input current;
Controlled by temperature compensation circuit, measure accurately;
Perforation input, plug terminal, screw fastening plane mounting;
It was widely applied to all kinds of industrial current online detection system;
Dimension(mm):102(L)×23(W)×86(H) aperture: 45mm;
This produce can meet the technical grade requirements, temperature coefficient: -40~+125℃

ELECTRICAL DATA

Standards.....GB/13850-1998, IEC688:1992
Input Range....0~1200A can choose 0~100A, 0~1000A etc
Accuracy Grade.....≤1.0%F.S.
Temperature Characteristics....≤100PPM/℃(0~50℃)
Power Consumption.....≤3.0VA
Working Stability.....annual change<0.2%
Isolation Withstand Voltage.....AC2.0KV/min*1mA among input/output/case
Isolation Resistance.....≥100MΩ(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

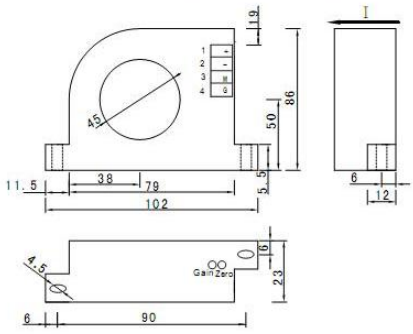
LF-DI12-□□B6-1.0/□
A B C

Model selection1: LF-DI12-35B6-1.0/0~500A
Explanation: this product is a 0~500A input range, 0~5V tracking output, ±12V power supply, B6 style 1-way DC current transducer.

MODEL REMARKS

A. Output range:
1: 0~5V tracking output
1a: 0~4V tracking output
3: 0~5V
5:4~20mA
6: 1~5V
8: 0~10V
T: Special output
B. Power supply:
2:12V±10%
3:15V±10%
4:24V±10%
5:±12V±10%
6:±15V±10%
C. Current input range

DIMENSION DIAGRAM



CONNECTION DIAGRAM

Note: When the transducer leave factory, the output zero/gain has adjusted well, Please don't adjust it randomly in no special situation.

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

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 transducer used in a strong magnetic environment, the shelter of the input wire, output signal should be as short as possible.
3. This product use the flame retardant ABS plastic case(its utmost temperature is +85℃, custom products: + 130 ℃), please don't bake the case in high temperature, or it will be distorted, influence product's performance.