Current Transducer/Sensor

SB27 DC Current Transducer

FEATURES

*Hall open-loop operational 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

*Current row perforation input, plug terminal, screw fastening plane mounting

*It widely applies to all kinds of industrial current online detection system

*Dimension(mm):40(L)×20(W)×30(H) Aperture:20.5*10.5mm

MODEL

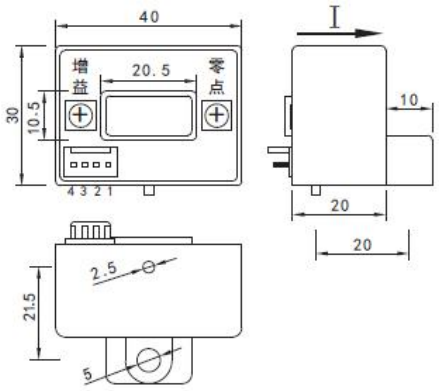
LF-DI12-□ □ B27 -1.0/□

A B C

Model selection1: LF-DI12-15B27-1.0/0~200A

Explanation: this product is a 0~200A input range, 0~5V tracking output, ±12V power supply, B27 style 1-way DC current transducer.

DIMENSION DIAGRAM



ELECTRICAL DATA

*Standards:IEC688:1992, QB/LF2007-1

*Input Range:0~500A can choose 0~50A, 0~300A etc

*Accuracy Grade:≤1.0%.F.S

*Linearity Degree:better than 0.2%

*Response Time:≤10uS

*Frequency: 0~10KHZ

*Offset Voltage: ≤20mV

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

*Power Consumption: ≤30mA

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

*Load Capacity :2 times current continuous, 30 times 1 second

*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
1: 0~5V tracking output 1a: 0~4V tracking output 3:0~5V 4:0~20mA 5:4~20mA	2: 12V±10% 3:15V±10% 4: 24V±15% 5: ±12V±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

Xiamen ZT Technology Co., Limited

http://www.transducersgroup.com sales@zntar.com Jason Zeng Skype: zntarjason