Current Transducer/Sensor

SB23 DC Current Transducer

FEATURES

*Hall close-loop operational principle(electromagnetic balance principle), can measure current in any waveform, the output terminal can reflect the waveforms parameters of input current

*Response time is quick ≤1uS

*Controlled by temperature compensation circuit, measure accurately

*Perforation input, plug terminal, screw fastening plane mounting

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

*Dimension(mm):68(L)×20(W)×60(H) aperture:20.5mm

MODEL

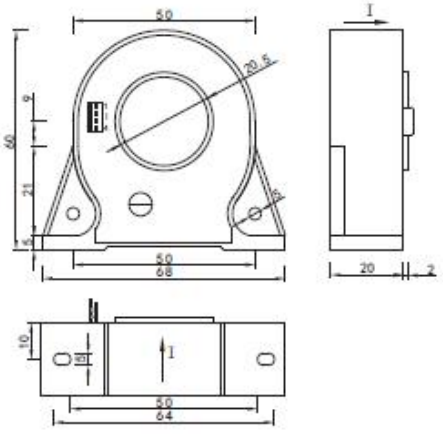
LF-DI12-□ □ B23-1.0/□

A B C

Model selection1: LF-DI12-25B23-1.0/0~200A

Explanation: this product is a 0~200A input range, 0~200mA tracking output, ±12V power supply, B23 style 1-way DC current transducer.

DIMENSION DIAGRAM



ELECTRICAL DATA

*Standards:GB/13850-1998,IEC688:1992

*Input Range :0~400A can choose 0~50A, 0~300A etc

*Accuracy Grade :≤0.5%.F.S

*Linearity Degree:better than 0.2%

*Response Time:≤1US

*Frequency:0~100KHZ

*Offset Voltage:≤20mV

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

*Power Consumption :≤30mA+output current

*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

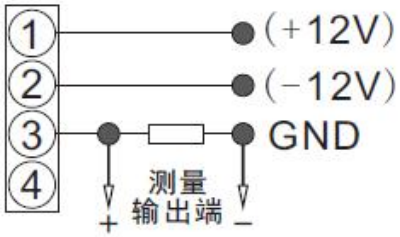
*Working Environment:-10 ℃ ~50 ℃ ,20%~90% without condensation

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

MODEL REMARKS

A---Output	B---Power supply
A---Output 2.Tracking current output (turnover rate1/1000) 2a.Tracking current output (turnover rate1/2000)	5: ±12V±10% 6: ±15V±10%
T: Special output	C---Current input range

CONNECTION DIAGRAM



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