

【Features】

- ◆ Current limiting for Loop Power to protect the safe of field deivce
- ◆ Support Line failure alarm
- ◆ Strong anti-interference ability
- ◆ Quick reponse
- ◆ Low Temperature drift
- ◆ High precision & reliability



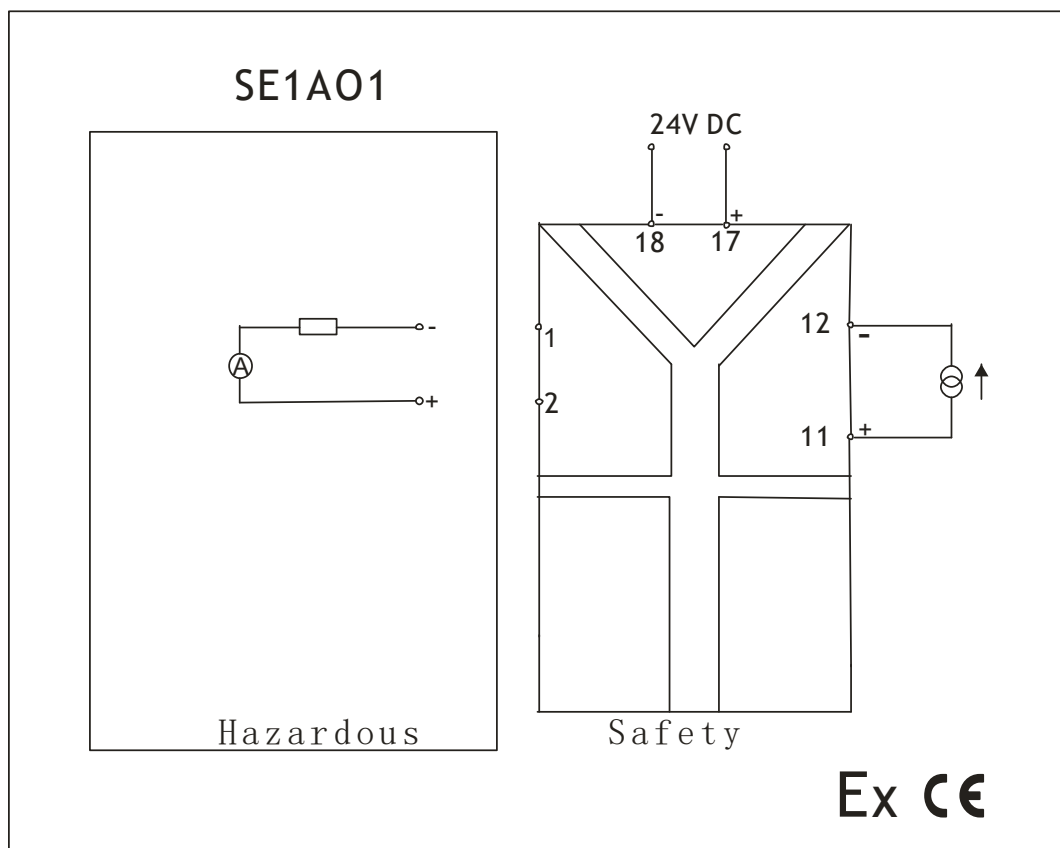
【Description】

Transfer the current ,RTD/TC and digital signals of the field from hazardous zone to safe zone. power supply,input and output fully isolated,the temperature signals such as the RTD & TC are converted and linerized into 4-20mA to upper control system, also the input types and measurement span can be programmed by computer through a USB adaptor. PCB tablet transformer applied to make sure the MAX efficient and reliable. all range of products passed through the certification of CE and EX NEPSI.

【Specification】

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|--|---|
| ◆ Input Signal Type(Safety): 4-20mA | ◆ Temperature Drift: 0.01%/ Celsius Degree |
| ◆ Channel: 1 Channel input/1 Channel output | ◆ Ambient Temperature: -20 ~ 60 °C |
| ◆ Output signal(Hazardous) : 4-20mA | ◆ Ambient Humidity: ≤95%RH(Non Condensing) |
| ◆ Input load resistor(Safety): ≥100Ω | ◆ Isolated Volt between Input/Output/PS terminal: ≥ 1500VDC: 1min |
| ◆ Output load resistor(Hazardous): ≤550Ω (20mA) | ◆ Insulation between Input/Ouput/PS terminal: ≥ 100MΩ/500V |
| ◆ Power Supply: 15-30VDC (Reverse polarity protection) | ◆ Calibrating Ambient Temp: 25±2°C |
| ◆ Response Time(0-90%,100%-10%): ≤1mS | ◆ EMC: [Exia Ga] CE EN1326: 1997+A1: 1998+A2: 2001+A3: 2003 : GB3836.1-2010 GB3836.4-2010 |
| ◆ Accuracy: ±0.1% | ◆ LED Indicator: |
| ◆ Area of field equipment: 0/1/2/IIA/IIB/IIC/T4~T6 | Normally lighting indicates power supplied and working normally |
| ◆ Intrinsically safe circuit parameters: | ◆ Dimensions: 113x109x17.5mm |
| Maximum voltage(Um): 250V | ◆ Explosion proof Certificate No. : CNEC 14.2172 |
| (2-1) | |
| Uo:28V, Io:93mA,Po:651mW,Co:0.05uF,Lo=2.4mH | |
| ◆ Power Consumption(24VDC, 20mA output): ≤40mA | |

【Wiring Diagram】



【Order Information】

Part No.	Description
SE1AO1	1-Channel input/1-Channel output, analog input, analog output

Note: The safety barrier is an intrinsic safety device context. Please do not install the safety barrier directly in dangerous places, because it can only ensure the intrinsic safety of the energy output to the intrinsic safety side. The field instruments connected with the instrument and equipment must conform to the relevant regulations of the national explosion-proof industrial products. Besides, the length of the field connecting wires and the inductance and capacitance between wires related to the instrument and equipment must also conform to the above regulations. Please do not change the specifications, models and parameters of intrinsically safe circuits or components related to intrinsically safe circuits at will.