

RTD Isolated Safety Barrier

NPEXA-H211

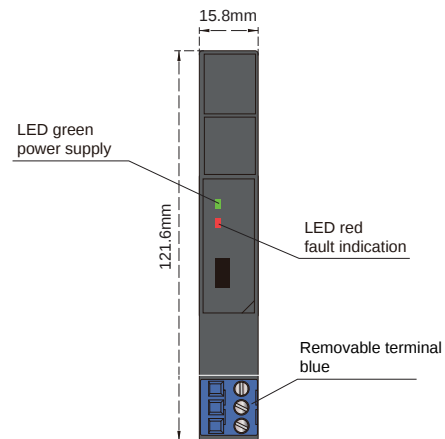
single input, double output

Input: RTD

Output: 4 ~ 20 mA



Temperature input safety barrier, it converts the thermal resistance signals from a hazardous area into current signals to a safe area by isolation. The input, output, and power supply are galvanically isolated from each other. A self-test feature is also available on this device. You can use PC or handheld programmer to modify parameters.



Technical data

Power supply: 18 V DC~32 V DC (Reverse power protection)

Power dissipation: 1.5 W (24V DC, double output)

Input signal: RTD

Line resistance:

Output signal: 4 ~ 20 mA

Load resistance: RL

Temperature drift: °C

Response time:

Electromagnetic compatibility: IEC 61326-3-1

Dielectric strength:

non-intrinsically safe side)

non-intrinsically safe side)

Insulation resistance:

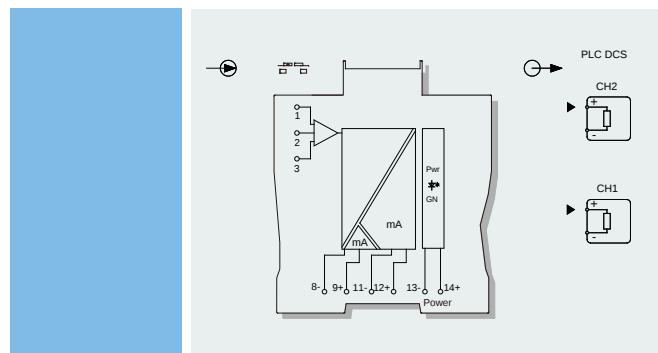
Operation temperature: -20°C ~ +60°C

Storage temperature: -40°C ~ +80°C

Dimension: 15.8 mm (W) × 121.6 mm (H) × 104.8 mm (D)

Output states: Default following mode, it can be configured as 4mA~20mA NE43 mode or fixed output mode.

Wiring diagram



Explosive-proof parameters

National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)

Explosive-proof grade: [Ex ia Ga] II C

Um 250 V

Certified parameters (Terminals 1, 2, 3)

Uo=7.3V, Io=27mA, Po=50mW

II C Lo=28mH

II B Lo=84mH

II A Lo=224mH

Model rules