



## NPEXA-H1D11 double input, double output

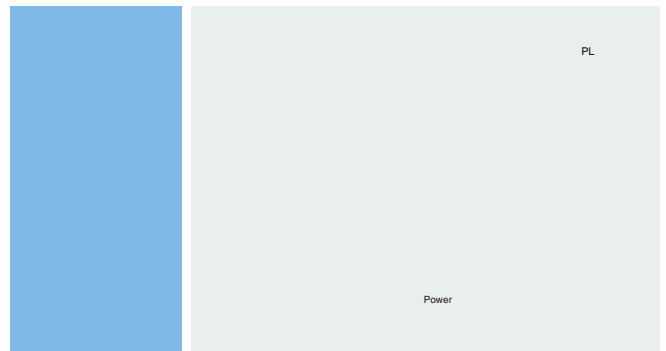
Input: TC  
Output: 4 ~ 20 mA

Temperature input safety barrier, it converts the thermocouple signals from a hazardous area into current signals to a safe area by isolation. It has external cold junction compensation terminals. 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:	TC
Output signal:	4 ~ 20 mA
Load resistance:	RL 500
Compensation accuracy:	1°C (Temperature compensation range: -20°C ~ +60°C)
Temperature drift:	0.01%F.S./°C
Response time:	1s
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	2500 V AC (intrinsically safe side / non-intrinsically safe side) 500 V AC (Power supply side / non-intrinsically safe side)
Insulation resistance:	100 M ( Input /Output/Power supply)
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, 3; 4, 6)

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

II C Co=12μF Lo=28mH

II B Co=151μF Lo=84mH

II A Co=700μF Lo=224mH

### Model rules