

NPEXA-H61A1P2

Single input, double output

Output: 4 ~ 20 mA, relay

This isolated safety barrier converts the frequency signals from a hazardous area into current or voltage signals to a safe area by isolation, a relay alarm output. 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.

LED green
power supply

LED red
fault indication

Removable terminal
blue



Technical data

Power supply:	18 V DC~32 V DC (Reverse power protection)
Power dissipation:	1.8 W (24V DC, double output)
Input signal:	Max. Input voltage: 30V Min. Input amplitude: 2V
	PNP/NPN Distribution voltage: 12V
	NAMUR switch Distribution voltage: approx.8.2V Short-circuit current: approx.8mA
Output signal:	Output1: 4 ~ 20 mA Output2: relay contact
Load capacity:	Output1: RL Output2: 0.5A/35V DC
Accuracy:	
Temperature drift:	°C
Response time:	
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	non-intrinsically safe side) 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) Input signal state indicator (red), it is remain bright

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):

, Lo=100mH

Certified parameters (Terminals 5, 6):

, Lo=700mH

Certified parameters (Terminals 3, 4, 6):

, Lo=4.2mH

Model rules

