

NPEXA-H61P2

Single input, single output

NPEXA-H611P2

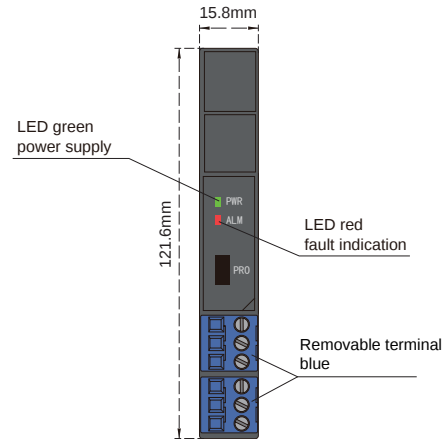
Single input, double output

Output: 4 ~ 20 mA

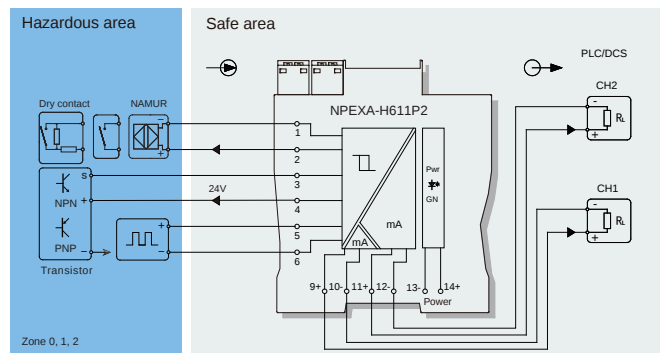
This isolated safety barrier converts the frequency signals from a hazardous area into current or voltage signals to a safe area by isolation. The input, output, and power supply are galvanically isolated from each other. A self-test feature is also available on this device. You can use PC or handheld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

Technical data

Power supply:	18 V DC~32 V DC (Reverse power protection)
Power dissipation:	0.8 W (24V DC, single output) 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:	4 ~ 20 mA
Load resistance:	RL
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

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The second output signal^{note1}
Default: null

The first output signal^{note1}

note1 Output signal

Number	Output
1	4~20mA
2	1~5V
3	0~10mA
4	0~5V
5	0~10V
6	0~20mA