

TC & RTD Isolated Safety Barrier

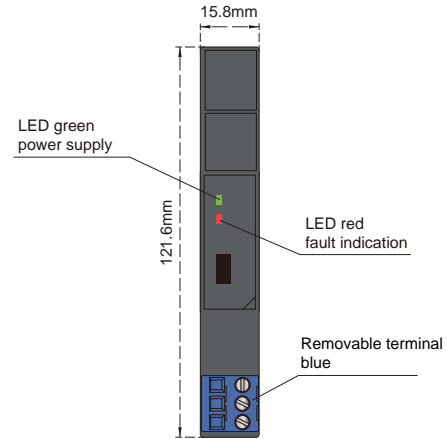


NPEXA-H01

single input, single output

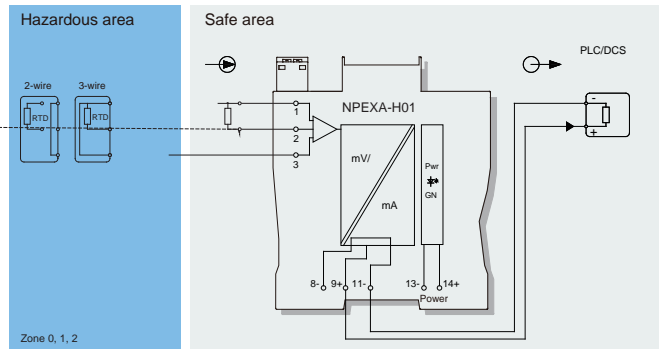
Input: TC or RTD
Output: 4 ~ 20 mA

Temperature input safety barrier, it converts the thermocouple or thermal resistance 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

Wiring diagram



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

NPEXA-H01
|
|
The 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