

Analogue input signal isolators(Loop powered)

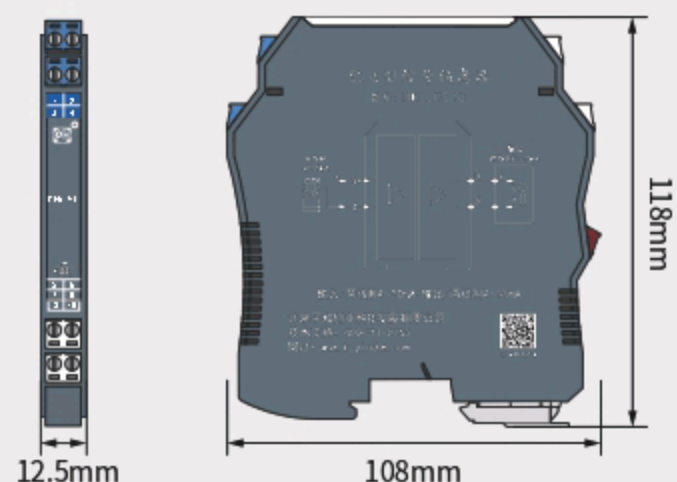
PHG-11NE-52
PHG-22NE-5252

1 input 1 output

2 inputs 2 outputs

Input: 2 wire 4~20mA

Output: 2 wire 4~20mA



Overview

Distribution power signal isolator, the circuit obtains power energy from the signal output end, isolates and converts the two-wire 4~20mA current signal at the input end into a 4~20mA current signal to the two-wire interface at the output end.

This product does not require an independent power supply, and the input and output are isolated.

Specifications

Input:

Input signal: 2 wire 4~20mA

Distribution voltage: $U_d \geq U_e - R_L \times 0.02 - 6$

Output:

Output signal: 2 wire 4~20mA

Signal voltage: 12~30V DC

Load Resistance: $R_L \leq (U_i - 6) / 0.02$

Basic parameters:

Output accuracy: 0.2%F.S

Response time: 10ms

Temperature drift: 0.01%F.S/°C

Temperature parameters: Working temperature: -20°C ~ +60°C

Storage temperature: -40°C ~ +80°C

Relative humidity: 10%~95% RH no condensation

Insulation strength: $\geq 1500VAC/min$ (input/output)

Insulation resistance: 100MΩ (500V DC)

(between input/output)

EMC: GB/T 18268 (IEC 61326-1)

MTBF: 80000h

Wire requirements: Cross section $\geq 0.5mm^2$

Insulation strength $\geq 500V$

Applicable field equipments: Two-wire transmitter

Schematic diagram

