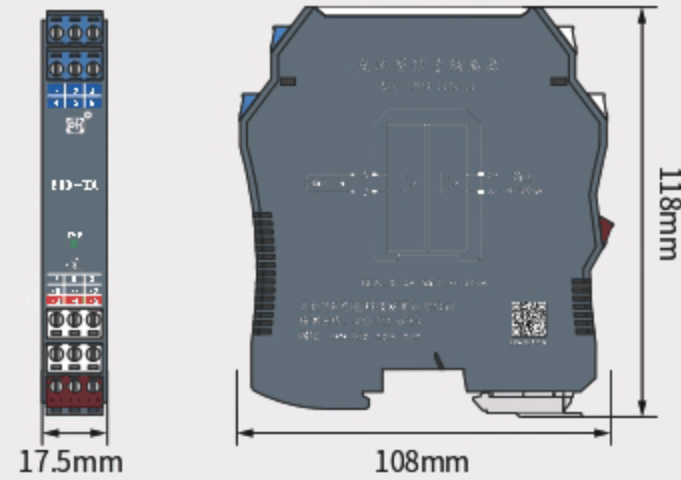


AC signal input power transmitter

PHG-11TA series PHG-12TA series

Input: AC signal
Output: DC signal

1 input 1 output
1 input 2 outputs



Overview

The power transmitter with AC signal input, the AC signal is input, and the DC signal is output after isolation.

This product needs to be powered independently, and the power supply, input and output terminals are isolated.

Specifications

Input:

Input signal: AC signal

Input resistance: Voltage type $\geq 100k\Omega$
Current type $\leq 1\Omega$

Output:

Output signal: DC signal

Load Resistance: Current load resistance $\leq 500\Omega$
Voltage load resistance $< 5mA$

Basic parameters:

Supply voltage: 20~35V DC

Power consumption: Current output $< 1W$
Voltage output $< 0.7W$

Output accuracy: 0.2%F.S

Response time: 1s

Temperature drift: 0.02%F.S/ $^{\circ}C$

Temperature parameters: Working temperature: $-20^{\circ}C \sim +60^{\circ}C$
Storage temperature: $-40^{\circ}C \sim +80^{\circ}C$

Relative humidity: 10%~95% RH no condensation

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

Insulation resistance: $100M\Omega$ (500V DC)
(between input/output/power supply)

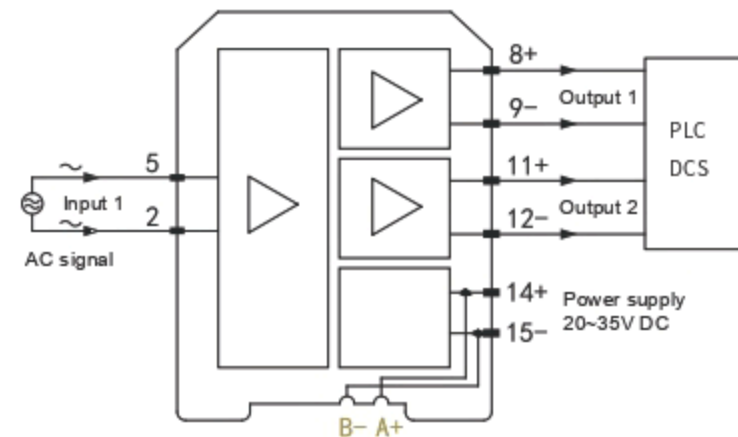
EMC: GB/T 18268 (IEC 61326-1)

MTBF: 80000h

Wire requirements: Cross section $\geq 0.5mm^2$
Insulation strength $\geq 500V$

Applicable field equipments: Current source

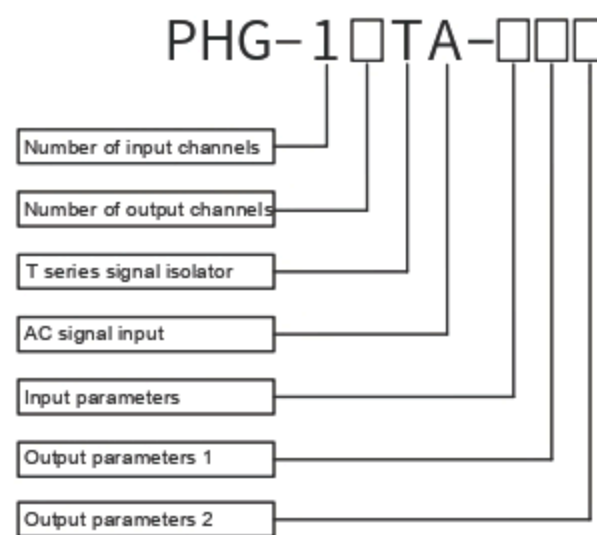
Schematic diagram



Note: 1. PHG-11TA series does not include the output 2 part

2. The power supply of the power rail is an optional function. Users need to specify the power supply mode when ordering. Please refer to attachment on page 89.

Specifications, models and codes



Output parameter definitions	
Code	Parameters
1	0~5A AC
2	0~1A AC
3	0~265V AC
4	0~100V AC
5	0~500V AC
8	Customized parameters

Output parameter definitions	
Code	Parameters
1	4~20mA
3	0~5V
4	0~10V
5	1~5V
7	$\pm 10V$
8	Customized parameters

For example: one input and one output, 0~5AAC signal input, 4~20mA DC signal output, 24V power supply, model should be: PHG-11TA-11