

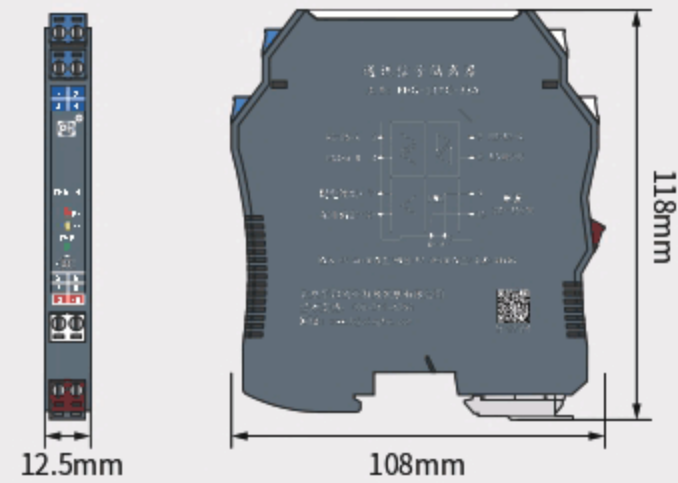
Communication signal input signal isolators

PHG-11TC-33*

1 input 1 output

Input: RS-485 Half Duplex Digital Signal

Output: RS-485 Half Duplex Digital Signal



Overview

PHG-11TC-33* communication signal input signal isolator can realize two-way communication of RS-485 half-duplex digital signals in the control room and on-site. The circuit provides power distribution for on-site instruments (as shown in the table below).

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

Code	Distribution voltage, current
No	No distribution power
A	5V
B	6V
C	12V
F	24V
H	Cutomizable

Specifications

Input:

Input signal: RS-485 Half Duplex Digital Signal

Output:

Output signal: RS-485 Half Duplex Digital Signal

Transmission delay: $\leq 10\mu s$

Transmission rate: $\leq 115.2 kbps$

Basic parameters:

Supply voltage: 20~35V DC

Power consumption: $< 4W$ (24V power supply, 5V/200mA power distribution)

LED indicator: Green: Power indicator

Yellow: The control room transmits signals to the on site

Red: transmitting signals from the site to the control room

Receiving and transmitting switching time: $\geq 20ms$

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: $\geq 2000VAC/min$ (between input/output/power supply)

Insulation resistance: $\geq 100M\Omega$ (500 V DC)

(between input/output/power supply)

EMC: GB/T 18268(IEC 61326-3-1)

MTBF: 80000h

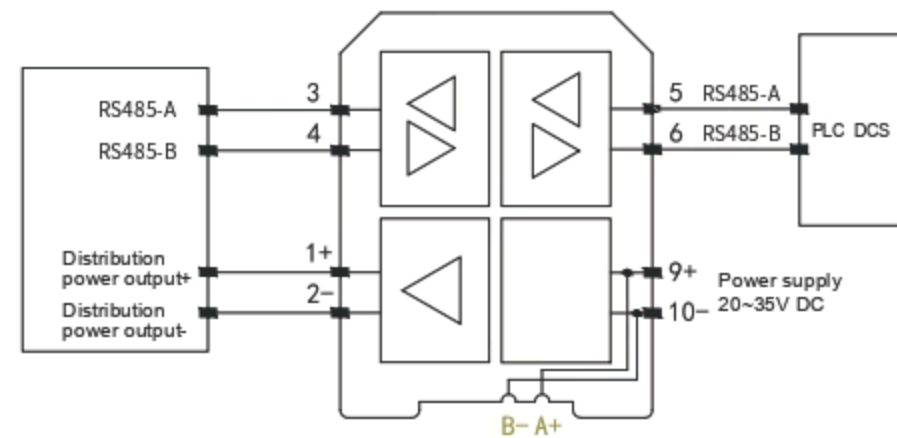
Wire requirements: Horizontal cutting surface $\geq 0.5mm^2$

Insulation strength $\geq 500V$

Applicable field equipments: Communication interface device with

RS-485 Half Duplex Digital Signal

Connection wiring



Note: The power rail function is an optional function, and users need to specify the power supply method when placing an order

The selection of power rail connectors can refer to page 89 of the "Annex"