

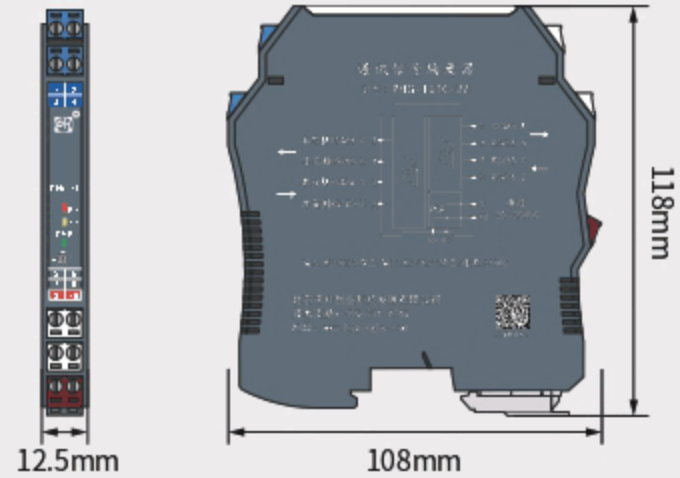
Communication signal input signal isolators

PHG-11TC-22

1 input 1 output

Input: RS-485 Full Duplex Digital Signal

Output: RS-485 Full Duplex Digital Signal



Overview

The communication signal of PHG-11TC-22 is communication input signal isolator, which can realize the two-way communication of RS-485 Full Duplex digital signal onsite and in the control room. This product needs independent power supply, and the power supply, input and output are isolated.

Specifications

Input:

Input signal: RS-485 Full Duplex Digital Signal

Output:

Output signal: RS-485 Full Duplex Digital Signal

Transmission delay: $\leq 10\mu\text{s}$

Transmission rate: $\leq 115.2\text{kbps}$

Basic parameters:

Supply voltage: 20~35V DC

Power consumption: $\leq 1.5\text{W}$ (24VDC power supply)

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: $\geq 20\text{ms}$

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

Storage temperature: $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$

Relative humidity: 10%~95% RH no condensation

Insulation strength: $\geq 2000\text{VAC}/\text{min}$ (between input/output/power supply)

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

(between input/output/power supply)

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

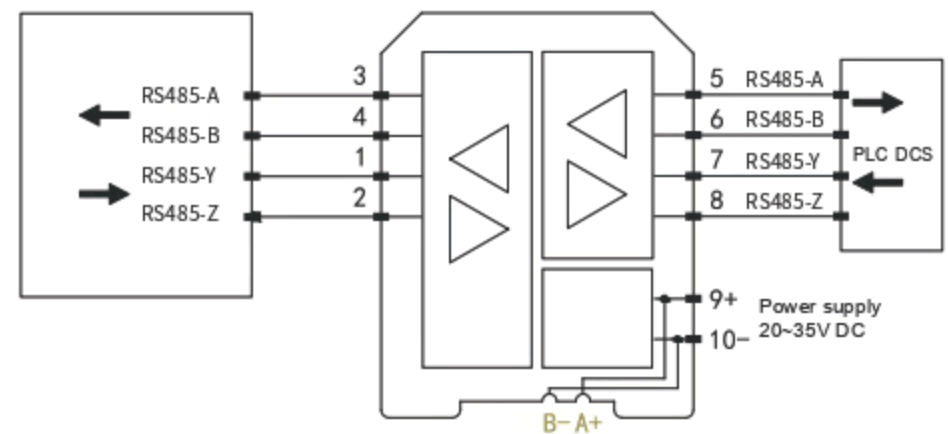
MTBF: 80000h

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

Insulation strength $\geq 500\text{V}$

Applicable field equipments: Communication interface device with RS-485 Full 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"