

3KV Photoelectric Isolation RS232 Isolator Specification

Overview

Model : FCI-138

The basic function of this model FCI-138 is an RS232 isolator, which uses serial port stealing technology for passive conversion. Its internal interface has electrostatic protection and has strong anti-interference characteristics. The three-wire 3KV isolation technology is used to protect the RS-232 serial interface equipment to the greatest extent, avoiding the damage to RS-232 equipment caused by harsh environments such as ground loop voltage, surge, induced lightning strike, static electricity, and hot pull. The product is plug and play, with strong environmental adaptability, and the rate is as high as 256Kbp. Can amplify and extend the serial port signal.

Photo



Features

- RS232 baud rate 300-256Kbps adaptive;
- The isolation voltage is 3000V, and the serial port is used to steal electricity, which improves the applicable surface of the equipment;
- Compliant with EIA RS-232 and CCITT V.28/V.24 asynchronous protocols
- Isolation pin: receive (RX), send (TX), ground (GND, 5P) three-wire isolation
- Two RS232 ports have TVS protection to suppress static electricity and surge
- DB9 connector: use DB9 male/female connector on both sides



- Fully transparent communication, users do not need any debugging, plug and play;
- Wide temperature type: working temperature -40°C~ +85°C;
- All models have passed 100% oven test;

Parameters

◆ Serial Interface

Standard

EIA/TIA-232 RS-232 (ITU-T V.28/V.24)

Serial interface:

RS-232: Hole DB9 to pin DB9;

RS-232 female: TXD(DB9-2), RXD(DB9-3),

GND(DB9-5)

RS-232 male: RXD(DB9-2), TXD(DB9-3),

GND(DB9-5)

Internal loop: RTS to CTS, DTR to DSR

◆ Working environment


Working temperature: -40°C - +85°C

Storage temperature: -40°C - +85°C

Working humidity: 0% - 95% (no condensation)

MTBF: >100,000 hours

Specifications

Product Number	FCI-138	
Product Function Description	RS-232 3KV Isolator	
Service Port Description	1 channel DB9 RS232 male; 1 channel DB9 RS232 female	
Power Supply	Power from serial port, power consumption <1W	
Product Size	Dimensions: 62mm(L) x 33mm(W) x 16mm(H)	
Weight	0.023KG/PCS	

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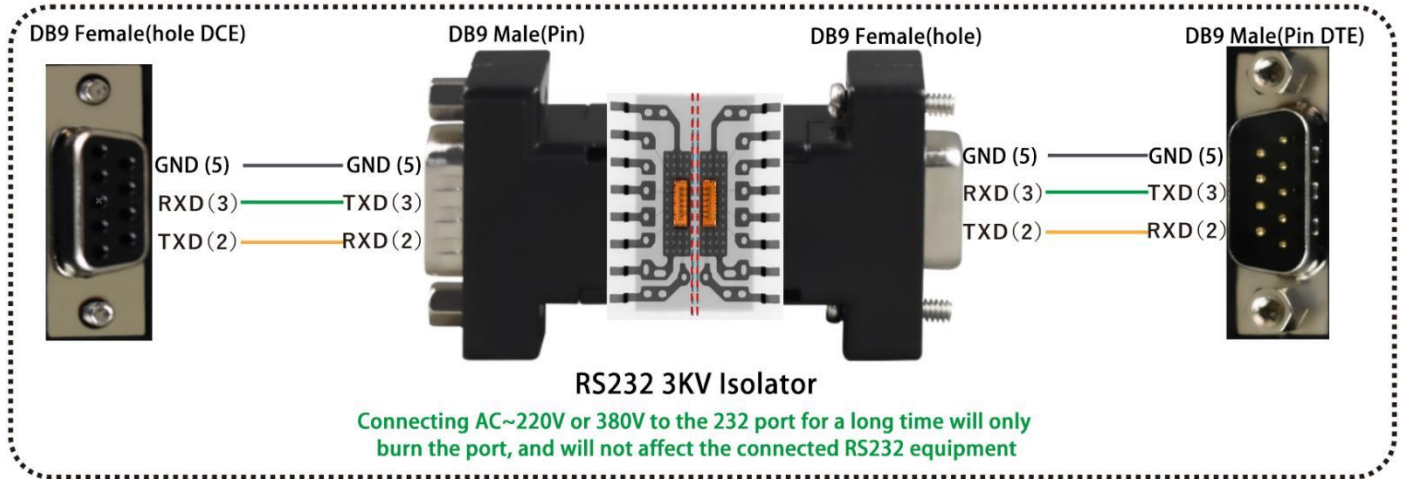
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Application



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