

Isolator RS-232 D-Sub 9 female to RS-232 D-Sub 9 male RXD, TXD, DTR, RTS, GND galvanic isolation 2.5 kV

Description

This RS-232 isolator by Delock protects all connected devices such as computers, machines, controllers, measuring devices, etc. against electromagnetic and electrostatic discharges as well as surge. Due to the complete galvanic isolation of the connected devices, a continuous data transmission is guaranteed even in the case of earth or ground loops. The isolator can be used as a coupling directly between two DB9 connections without an additional power supply.



Item no. 64314

EAN: 4043619643141

Country of origin: China

Package: Box

Technical details

- Connectors:
 - 1 x serial RS-232 DB9 female with screws
 - 1 x serial RS-232 DB9 male with nuts
- Data transfer: asynchronous, full duplex
- Data transfer rate from 300 bps to 19200 bps
- Isolation Voltage: 2500 VRMS peak pulse or 500 VDC
- ± 3 kV ESD protection on all signal pins
- Data lines: RXD, TXD, DTR, RTS, GND
- Housing material: plastic
- Colour: black
- Operating temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- Relative humidity: 5 - 95 % (non condensing)
- Dimensions (LxWxH): ca. 63 x 33 x 17 mm
- Bus Power from RS-232: TXD, RTS or DTR
- Plug & Play
- No external power supply needed

System requirements

- 1 x serial RS-232 DB9 female with screws
- 1 x serial RS-232 DB9 male with nuts

Package content

- Isolator RS-232 to RS-232
- Terminal block

Images

64314	DB9 Buchse/Female	DB9 Stecker/Male
PIN	RS-232	RS-232
1	NC	NC
2	TXD (Transmit Data)	RXD (Receive Data)
3	RXD (Receive Data)	TXD (Transmit Data)
4	DSR (Data Set Ready)	DTR (Data Terminal Ready)
5	Signal GND (SG)	Signal GND (SD)
6	NC	NC
7	CTS (Clear to Send)	RTS (Request to Send)
8	NC	NC
9	NC	NC



General

Specification:	RS-232 (EIA / TIA)
Supported operating system:	OS independent, no driver installation necessary
Protection:	ESD (Electrostatic Discharge)

Interface

Connector 1:	1 x Serial RS-232 DB9 male
Connector 2:	1 x serial RS-232 DB9 female

Technical characteristics

Data transfer rate:	300 bps up to 9200 bps
Operating temperature:	-20 °C ~ 70 °C
Humidity:	5 ~ 95 %
Signal transmission:	TXD, RXD, DTR, RTS, GND
Data transmission:	asynchronous full duplex
Voltage supply:	RS-232 Bus Power TXD, RTS or DTR

Physical characteristics

Housing material:	Plastic
Screw type:	#4-40 UNC
Length:	63 mm
Width:	33 mm
Height:	17 mm
Colour:	black
Insulator:	2.5 kV VRMS optical isolation

Manufacturer information

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