

# Delock Isolator 1 x Serial RS-232 DB9 female to 1 x Serial RS-232 DB9 male 3 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. 63968**

EAN: 4043619639687

Country of origin: China

Package: Box

## Specification

- Connectors:
  - 1 x serial RS-232 DB9 female with screws
  - 1 x serial RS-232 DB9 male with nuts
- Plug & Play
- Data transfer: asynchronous, full duplex
- Data transfer rate from 300 bps to 19200 bps
- Isolation Voltage: 2500 VRMS peak pulse or 500 VDC
- $\pm 3$  kV ESD protection on all signal pins
- Data lines: TXD, RXD, 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
- 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

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## Package content

- Isolator RS-232 to RS-232

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## Images

63968	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	NC	NC
5	Signal GND (SG)	Signal GND (SG)
6	NC	NC
7	NC	NC
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 und GND
Data transmission:	asynchronous full duplex
Voltage:	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