# Delock Converter RS-232 > RS-232 with 3 kV Isolation 600 W power surge

## Description

This RS-232 to RS-232 isolator by Delock is designed to protect the connected components from electrostatic discharges and power surge. In addition, the galvanic isolation avoids data transmission errors by uneven ground voltages. Power can be provided through the serial interface or the included power supply. DIN rail mounting is supported.

**Item no. 62500**

EAN: 4043619625000

Country of origin: Taiwan, Republic of China

Package: Box

## Specification

- Connector:
  Host: 1 x D-Sub 9 pin Serial RS-232 female
  Device: 1 x D-Sub 9 pin Serial RS-232 male
  1 x DC 1.3 x 3.5 mm female
- Data transfer rate up to 1 Mbps
- Data Bit: 5, 6, 7, 8
- Stopp Bit: 1, 1.5, 2
- Parity: None, Even, Odd, Space, Mark
- Signals: TXD, RXD, CTS, RTS, DCD, DSR, DTR
- LED indicators for status TX / RX and power supply
- Galvanic isolation 3 kV (optical isolation)
- 600 W power surge for the RS-232 interfaces
- 600 W power surge at the DC Connector
- ± 15 kV ESD protection for all signal pins
- Power supply RS-232 interface pin 9: 12 V (optional)
- Power supply: 10 - 30 V
- Power consumption: ca. 50 mA
- Operating temperature: - 30 °C ~ 75 °C

- Relative humidity: 5 ~ 95 % (not condensing)
- Storage temperature: - 40 °C ~ 85 °C
- Housing material: plastic
- Dimensions (LxWxH): ca. 88 x 54 x 22 mm
- Accessories for mounting on 35 mm DIN rails

## Power supply specification

- Wall power supply
  Input: AC 100 ~ 240 V / 50 ~ 60 Hz / 0.48 A
  Output: 12 V / 1.6 A
- Ground outside, plus inside
- Dimensions:
  inside: ø ca. 1.3 mm
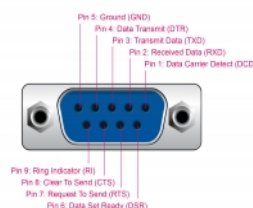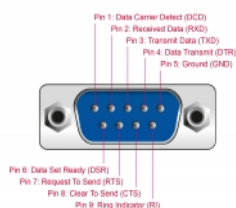  outside: ø ca. 3.5 mm
  length: ca. 9.5 mm

## System requirements

- Devices with RS-232 interfaces

## Package content

- Converter
- Power supply
- Mounting set for DIN rail
- User manual

## Images

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## General

| | |
|---|---|
| Function: | optical isolation |
| Mounting type: | DIN rail 35 mm |
| Specification: | RS-232 (EIA / TIA) |
| Supported operating system: | OS independent, no driver installation necessary |
| LED indicator: | PWR / RXD / TXD |
| Protection: | ESD (Electrostatic Discharge) Surge Protection 600 W |

## Interface

| | |
|---|---|
| Connector 1: | 1 x Serial RS-232 DB9 male |
| Connector 2: | 1 x serial RS-232 DB9 female |
| connector 3: | 1 x DC jack |

## Technical characteristics

| | |
|---|---|
| Data transfer rate: | up to 921.6 Kbps |
| Operating temperature: | -30 °C ~ 75 °C |
| Humidity: | 5 ~ 95 % |
| Signal transmission: | TxD, RxD, RTS, CTS, DTR, DSR, DCD |
| Data transmission: | asynchronous full duplex |
| Voltage: | Power supply: 10 - 30 V Optional PIN 9: 12 V |
| Current consumption: | 50 mA |

## Physical characteristics

| | |
|---|---|
| Housing material: | Plastic |
| Screw type: | #4-40 UNC |

| | |
|---|---|
| Length: | 80 mm |
| Width: | 54 mm |
| Height: | 22 mm |
| Colour: | black |
| Overvoltage protection: | 15 kV |
| Insulator: | 3 kV |

## Power supply

| | |
|---|---|
| Type: | Euro wall power supply |
| Connector: | DC male 3.5 mm x 1.35 mm |