

# 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.



-30°C  +75°C

**Item no. 62500**

EAN: 4043619625000

Country of origin: Taiwan,  
Republic of China

Package: Box

## Technical details

- 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

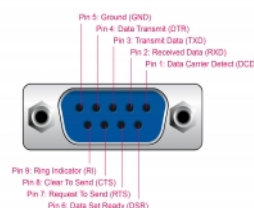
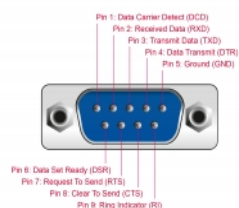
## System requirements

- Devices with RS-232 interfaces

## Package content

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

## Images



## 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