

# Delock Converter 1 x Serial RS-232 DB9 female to 1 x Serial TTL / CMOS 5 V DB9 male with ESD protection 3 kV and extended temperature range

## Description

This RS-232 serial to TTL / CMOS converter by Delock converts RS-232 signals to compatible TTL / CMOS 5 V levels and is suitable for connection to industrial controls, level shifter, microcontrollers etc. The converter can be screwed directly between two DB9 connectors without an additional power supply.



**Item no. 87687**

EAN: 4043619876877

Country of origin: China

Package: Box

## Specification

- Connectors:
  - 1 x serial RS-232 DB9 female with screws
  - 1 x serial TTL / CMOS DB9 male with nuts
- Auto data flow control
- Plug & Play
- Data transfer: asynchronous, full duplex
- Data transfer rate: 300 bps - 115.2 Kbps
- $\pm 3$  kV ESD protection for all serial signals
- Housing material: plastic
- Colour: black
- Operating temperature:  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Relative humidity: 5 - 95 % (non condensing)
- Dimensions (LxWxH): ca. 63 x 34 x 18 mm
- Bus Power from RS-232: TXD, RTS or DTR
- No external power supply needed

## System requirements

- Device with a free RS-232 port

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## Package content

- Converter RS-232 to TTL / CMOS

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## Images

87687	DB9 Buchse/Female	DB9 Stecker/Male
PIN	RS-232	TTL (5 V)
1	DCD (Data Carrier Detect)	RXD (Receive Data)
2	TXD (Transmit Data)	TXD (Transmit Data)
3	RXD (Receive Data)	NC
4	DTR (Data Terminal Ready)	NC
5	Signal GND (SG)	Signal GND (SG)
6	DSR (Data Set Ready)	Optional 5 V
7	RTS (Request to Send)	NC
8	CTS (Clear to Send)	NC
9	RI (Ring)	NC

## General

Function:	Plug & Play
Specification:	TTL/CMOS RS-232 (EIA / TIA)
Supported operating system:	OS independent, no driver installation necessary

## Interface

Connector 1:	1 x serial RS-232 DB9 female
Connector 2:	1 x serial TTL / CMOS DB9 male

## Technical characteristics

Data transfer rate:	300 bps - 115.2 Kbps
Operating temperature:	-40 °C ~ 85 °C
Humidity:	5 ~ 95 %
Data transmission:	asynchronous full duplex
Voltage:	No external power supply needed RS-232 Bus Power TXD, RTS or DTR

## Physical characteristics

Housing colour:	black
Housing material:	Plastic
Pin finishing:	gold-plated
Screw type:	#4-40 UNC
Depth:	18 mm
Width:	34 mm
Height:	63 mm