

# Converter 1 x Serial RS-232 DB9 to 1 x Serial RS-485 with ESD protection 15 kV surge protection 600 W and extended temperature range

## Description

This RS-232 to RS-485 converter by Delock is suitable for all serial devices, e.g. on machine controls, fieldbus systems, measuring instruments, computers, printers etc. The level converter can be used as a coupling directly between two DB9 connections without an additional power supply.



**Item no. 62919**

EAN: 4043619629190

Country of origin: China

Package: Box

## Technical details

- Connectors:
  - 1 x serial RS-232 DB9 female with screws
  - 1 x serial RS-485 DB9 male with nuts
  - 1 x RS-485 Terminal Block 4 pin
- Auto data flow control
- Plug & Play
- Supports Modbus
- Data transfer: asynchronous, half duplex
- Data transfer rate: 300 bps - 115.2 Kbps
- ±15 kV ESD protection for all serial signals
- Surge Protection: 600 W peak pulse (TVS)
- Housing material: plastic
- Colour: black
- Operating temperature: -40 °C ~ 80 °C
- Relative humidity: 5 - 95 % (non condensing)
- Dimensions (LxWxH):
  - Converter: ca. 63 x 33 x 17 mm
  - Terminal block: ca. 32 x 31 x 16 mm
- Bus Power from RS-232: TXD, RTS or DTR
- No external power supply needed



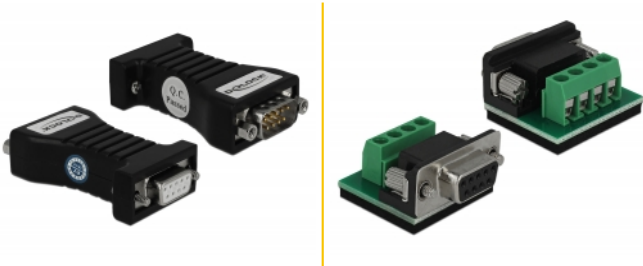
System requirements

- Device with a free RS-232 port

Package content

- Converter RS-232 to RS-485
- Terminal block adapter

Images



| Pin | DB9 Buchse/Female            | DB9 Stecker/Male | Terminalblock/Terminal Block |
|-----|------------------------------|------------------|------------------------------|
| 1   | RS-232                       | RS-485           | RS-485                       |
| 2   | Schultz/Protection/earthring | V/D (+)          | V/D (+)                      |
| 3   | TXD (Transmit Data)          | V/D (-)          | V/D (-)                      |
| 4   | RXD (Receive Data)           | NC               | Signal GND (GND)             |
| 5   | RTS (Data Terminal Ready)    | NC               | Optional 5 V                 |
| 6   | Signal GND (GND)             | Signal GND (GND) |                              |
| 7   | DSK (Data Set Ready)         | Optional 5 V     |                              |
| 8   | RTS (Request to Send)        |                  |                              |
| 9   | CTS (Clear to Send)          |                  |                              |
| 10  | As (Ring)                    |                  |                              |

## General

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| Function:                   | Plug & Play<br>Auto RTS Control                                                         |
| Specification:              | RS-232 (EIA / TIA)<br>RS-422 / RS-485 (EIA / TIA)                                       |
| Supported operating system: | OS independent, no driver installation necessary                                        |
| Protection:                 | Input overvoltage protection<br>ESD (Electrostatic Discharge)<br>600 W Peak Pulse Power |

## Interface

|              |                              |
|--------------|------------------------------|
| Connector 1: | 1 x serial RS-232 DB9 female |
| Connector 2: | 1 x Serial RS-485 DB9 male   |

## Technical characteristics

|                        |                                  |
|------------------------|----------------------------------|
| Data transfer rate:    | 300 bps - 115.2 Kbps             |
| Operating temperature: | -40 °C ~ 85 °C                   |
| Humidity:              | 5 ~ 95 %                         |
| Data transmission:     | asynchronous<br>Half duplex      |
| Voltage supply:        | RS-232 Bus Power TXD, RTS or DTR |

## Physical characteristics

|                   |             |
|-------------------|-------------|
| Housing material: | Plastic     |
| Pin finishing:    | gold-plated |
| Screw type:       | #4-40 UNC   |
| Length:           | 63 mm       |
| Width:            | 33 mm       |
| Height:           | 17 mm       |

|                   |                                   |
|-------------------|-----------------------------------|
| Surge Protection: | ±15 kV ESD Human Body Model (HBM) |
|-------------------|-----------------------------------|

## Manufacturer information

---

|             |                   |
|-------------|-------------------|
| Street      | Beeskowdamm 13/15 |
| Postal code | 14167             |
| City        | Berlin            |
| Country     | Deutschland       |
| E-Mail      | info@delock.de    |
| Website     | www.delock.de     |