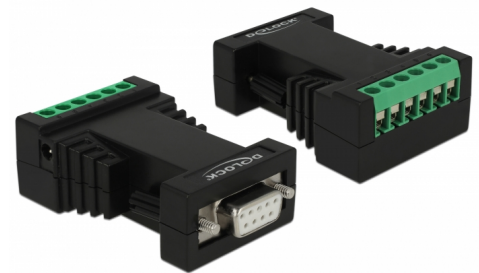# Delock Converter 1 x Serial RS-232 to 1 x Serial RS-422/485 with ESD protection 15 kV surge protection 600 W and 2.5 kV isolation extended temperature range

Description

This RS-232 to RS-422/485 converter by Delock is suitable for all serial devices, e.g. on machine controls, fieldbus systems, measuring instruments, computers, printers etc. The components are protected against surge power by the integrated protection circuits of the converter.

Item no. 87686

EAN: 4043619876860
Country of origin: China
Package: Box

Technical details

- Connectors:
    1 x serial RS-232 DB9 female with screws
    1 x RS-422/485 Terminal Block 6 pin
    1 x DC jack
- Auto data flow control
- Plug & Play
- Supports Modbus
- Data transfer: asynchronous, full duplex, half duplex
- Data transfer rate: 300 bps - 115.2 Kbps
- ±15 kV ESD protection on all signal pins
- 2.5 kV VRMS optical isolation
- Surge Protection: 600 W peak pulse (TVS)
- Housing material: plastic
- Colour: black
- Operating temperature: -40 °C ~ 85 °C
- Relative humidity: 5 - 95 % (non condensing)

- Dimensions (LxWxH): ca. 61 x 41 x 21 mm
- Bus Power from RS-232: TXD, RTS or DTR
- Optional power supply: 5 V - 12 V DC / 20 mA
- No external power supply needed

Specification of power connector

- Ground outside, plus inside
- Dimensions:
  inside: ø ca. 1.3 mm
  outside: ø ca. 3.5 mm
  length: ca. 9.5 mm

System requirements

- Device with a free RS-232 port

Package content

- Converter RS-232 to RS-422/485

Images

PN	DB9 Buchse/Female RS-232	Terminalblock/Terminal Block RS-422	RS-485
1	Schutz/protection/earthing	Transmit (A+)	T/R (A+)
2	TXD (Transmit Data)	Transmit (B-)	T/R (B-)
3	RXD (Receive Data)	Receive (A+)	NC
4	DTR (Data Terminal Ready)	Receive (B-)	NC
5	Signal GND (SG)	Signal GND (SG)	Signal GND (SG)
6	DSR (Data Set Ready)	Signal GND (SG)	Signal GND (SG)
7	RTS (Request to Send)		
8	CTS (Clear to Send)		
9	RI (Ring)		

General

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

Interface

Connector 1:	1 x serial RS-232 DB9 female
Connector 2:	1 x RS-422/485 Terminal Block 6 pin

Technical characteristics

Data transfer rate:	300 bps - 115.2 Kbps
Operating temperature:	-40 °C ~ 85 °C
Humidity:	5 ~ 95 %
Data transmission:	asynchronous Half duplex full duplex
Voltage:	RS-232 Bus Power TXD, RTS or DTR Optional 5 V - 12 V
Current consumption:	max. 20 mA

Physical characteristics

Housing material:	Plastic
Pin finishing:	gold-plated
Screw type:	#4-40 UNC
Length:	62 mm

Width:	33 mm
Height:	17 mm
Overvoltage protection:	±15 kV ESD Human Body Model (HBM)
Insulator:	2.5 kV VRMS optical isolation

Power supply

Connector:	DC Stecker 3,5 mm x 1,30 mm