

Data sheet:

RS232 line driver set Industry



Article no.: 80201

EUR 248.00

*Net price for
commercial users

Reliably transmit serial data over long distances

The Line Driver Set 80201 connects RS232 devices over a distance of up to 1200 meters with galvanic isolation.

Properties

Interfaces:

- **1 x RS232 per converter**
 - 9-pin Sub-D plug with PC pin assignments
- **1 x RS422 per converter**
 - 9-pin Sub-D plug
- **Galvanic isolation between the ports**
 - Isolation voltage 1kV DC

Management and connectivity:

- **Transmission speed up to 115,200 baud**
- **No re-configuration of transmission parameters required**

Voltage supply:

- **External**
 - 12V-24V AC/DC
 - Galvanically isolated power connection
- **Integrated overvoltage protection**

Standards & more

- **Conforms to standards both in office and industrial environments:**
 - High noise resistance per EN 61000-6-2
 - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**



Wish for something!

Your suggestions for improvement and additions

Worth knowing

When transmitting data over long distances it is virtually impossible to prevent potential differences between the connected devices. These can be caused by remote lightning strikes, but even in normal operation can arise from switching operations of high-power electrical consumers. In case of a potential shift the data line is misused for compensating the voltage difference. Potential differences of only 7V can already result in faulty transmission, whereas differences of more than 30V could destroy interface components. For this reason use of a potential isolator for connections over long distances is one measure which drastically increases the life expectancy of the connected devices.

Technical data

Connections and displays:

Serial Port A:	RS232 Interface 9-pin SUB-D adapter, PC assignment
Serial Port B:	RS422 Interface 9-pin SUB-D adapter
Baud rate:	0..115,200 baud
Data format:	any format
Galvanic isolation:	Isolation voltage min. 1 KV DC between all terminals
Max. distance:	1200m
Supported signals:	2 data and 2 handshake signals
Supply voltage:	12..24V AC/DC
Current consumption:	typ. 80mA @12V DC, 40mA @24V DC
Displays:	1 LED Power 1 LED Data




Housing and other data:

Housing:	Plastic compact housing for top hat rail installation 105 x 22 x 75mm (L x W x H)
Enclosure rating:	IP20
Weight:	approx. 200g
Ambient temperature:	Storage: -40..+70°C Operation: 0..+60°C
Permissible relative humidity:	5..95% RH (non-condensing)
MTBF:	328,240h @25°C per MIL-HDBK-217
Life expectancy:	> 25 years at 25°C ambient temperature
Scope of delivery:	RS232 line driver set Industry Please order power supplies separately as accessories



Accessories

*Net unit price for
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Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

Cable and Connector Accessories

RS232 PC/PC cable, DB9F x DB9F, 1.8m	11992	9.90€	
9-pol. SUB D socket with screwing terminal and shielded housing	11905	21.00€	

Mechanical Accessories

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	
Mounting bracket for wall mounting	58812	11.20€	
19" DIN rail	58813	21.00€	

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

[We are available to you in person:](#)

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