

Manual

Interface RS232 <> 20mA

50kV isol.



Type
Release

84050
1.0

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Interface RS 232 <> 20mA, 50kV isolated

Function

The W&T Interface Model 84050 permits bi-directional connection of RS232 devices with components which are equipped with an active 20mA port.

The Interface converts one data line in each direction and provides electrical Isolation between the RS232 side and the 20mA side.

Isolation

The two ports of the W&T Interface 84050 are isolated both from each other with a dielectric strength of 50000 volts. The Signals are isolated by means of a fiber optic connection.

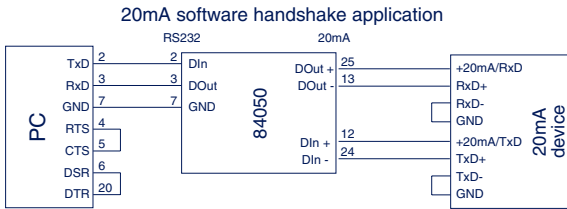
Connectors

The two ports of the W&T Interface 84050 use DB25 connectors. The connector pin assignments are shown in the table below:

RS232 interface (DB25 male)	
pin	function
2	Data In
3	Data Out
7	Signal GND

20mA interface (DB25 female)	
pin	function
12	Data In+
13	Data Out-
24	Data In-
25	Data Out+

Application



Technical data:

- Operating modes: passive mode
- Data format: any format
- Signal lines: RxD, TxD
- Isolation: min. 50 kV
- Baud rate: 300..9,600 baud
- RS232 adapter: 25-pin SUB-D adapter,
DCE assignment
- 20mA adapter: 25-pin SUB-D socket
- Power supply: through the RS232/20mA signals,
no power adapter required
- Housing: Plastic housing, 250 x 20 mm Ø
- weight: approx. 340 g
- Delivery: RS232 <> 20mA interface, 50kV-isolated,
Gender changer 25-pin, f/f