

Manual

Interface RS232 <> RS422, 50kV



Release
Typ

1.0
86050

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1. Function

The W&T Interface Model 86050 permits bi-directional connection of RS232 devices with components which are equipped with an RS422 port.
The Interface converts one data line in each direction and provides electrical isolation between the RS232 side and the RS422 side.

2. Isolation

The two ports of the W&T interface 86050 are isolated both from each other with a dielectric strength of 50000 volts.
The signals are isolated by means of a fiber optic connection.

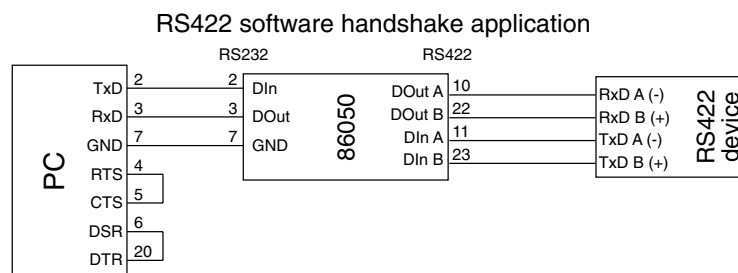
3. Connectors

The two ports of the W&T interface 86050 use DB25 connectors. The connector pin assignments are shown in the table below:

RS232 interface (DB25 male connector)	
Pin	Function
2	Data In
3	Data Out
7	Signal GND

RS422 interface (DB25 female connector)	
Pin	Function
10	Data Out A (-)
11	Data In A (-)
22	Data Out B (+)
23	Data In B (+)

4. Applications



5. Technical data

Baudrate:	300..9600 Baud
Data format:	any data format
Isolation:	50.000 volts
Power supply:	not necessary
Input impedance:	> 220 Ω
RS232 interface:	DB25 male connector incl. 2m cable, DCE pin assignment
RS422 interface:	DB25 female connector incl. 2m cable
Housing / Dimensions:	Small plastic housing, 250 x 20 mm
Weight:	340 g
Packing list:	1 x Interface, type 86050 1 x Mini gender changer 25F-25F, type 11770