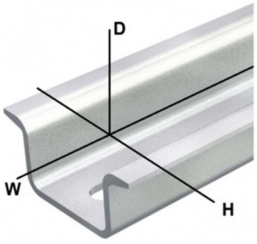
RS485-Wiring-Adapter

RS485-Wiring-Adapter-Module

The RS485-Wiring-Adapter-Module is an adapter. This adapter was specially designed for setting up an RS485 bus system in which the bus participants can be distributed decentrally. Using the adapter, up to six devices can be integrated into the bus system, which are connected to the spring-loaded terminals with individual wires. Internally, the six bus subscriber connection points are connected in parallel and are distributed via the IN and OUT connections. A bus termination resistor can be added as required. The RS485 service interface is also available on the adapter. For details on the structure of an RS485 bus system, see the image under connection principle.



RoHS COMPLIANT

Key commercial data

Packing unit	1 pc
Weight per piece (excluding packing)	78g
Weight per piece (including packing)	88g
Country of origin	Germany

Technical data mechanically

Width (W)	61mm
Height (H)	92mm
Depth (D)	62mm
Ambient temperature (operation)	0°C … 50°C
Ambient temperature (storage/transport)	-20°C … 70°C
Relative humidity	90% without condensation
Mounting position	any
Cable diameter shield connection	Ø3mm … Ø12mm

Technical data electric

Nominal voltage U_N	48V AC/DC
Nominal current I_N	0,5A
Protection class	IP20
Bus terminating resistor 120Ω	can be switched on/off

 Subject to change without notice

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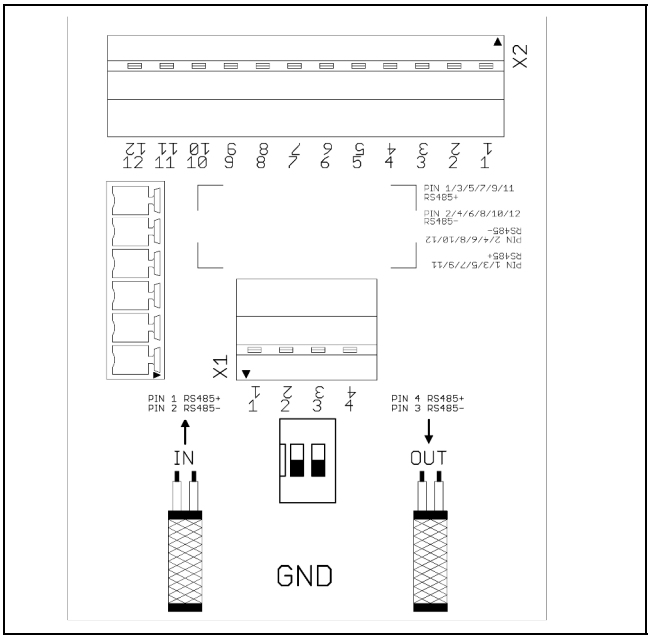
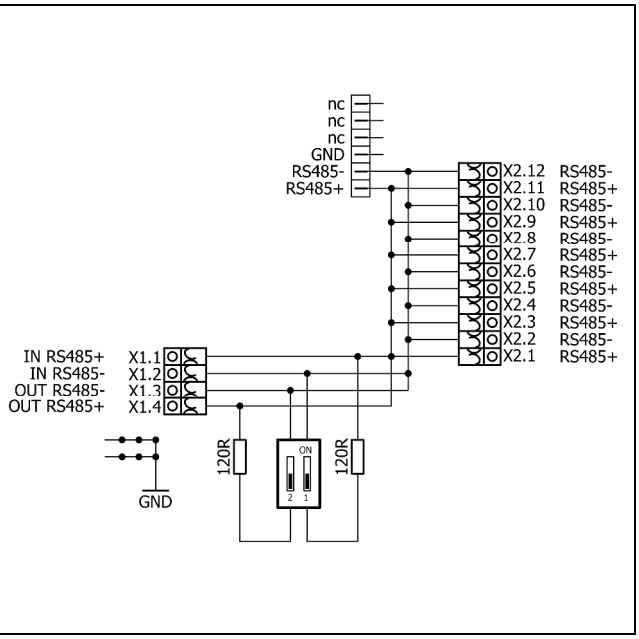
Connection data PCB terminal X1/X2	
Connection type	Push-in spring connection
Conductor cross section solid	0,25mm^2 … 1,5mm^2
Conductor cross section flexible	0,25mm^2 … 1,5mm^2
Conductor cross section with ferrule, with/ without plastic sleeve	0,25mm^2 … 1,5mm^2
Stripping length	10mm
Connection data service interface	
Connection type	USB/RS485 converter

Standards and Regulations

Standards/regulations	EN 50178: 10/97

PIN assignment





The spring-loaded terminals for the single wires are located at the top at the factory. It is possible to turn the spring-loaded terminals by 180° so that connection is possible from below. To do this, the three locks on a side element on the back (see pictures, marked in red) must be released. Then the side element can be removed and the PCB rotated by 180°. Finally, the side element can be reassembled accordingly.

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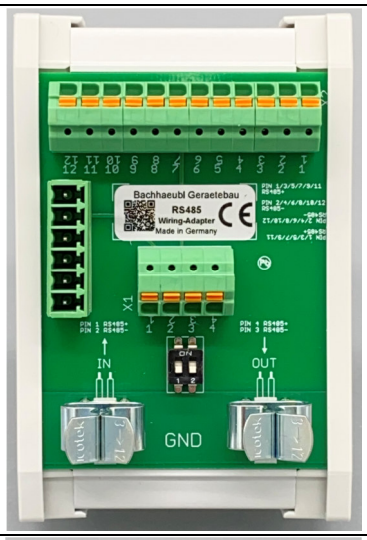
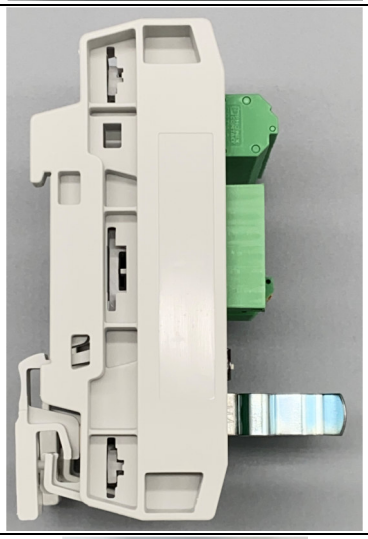
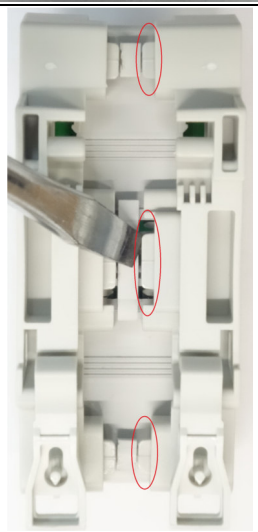
Pictures







Connecting principle