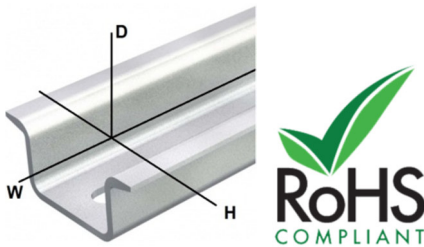


## M12-InterfaceMale M12-InterfaceMale-Module

The M12-InterfaceMale-Module is an adapter. This adapter was specially designed for the ultrasonic sensor hps+80 from Microsonic in order to be able to connect the LCA-2 LinkControl adapter to the sensor without much effort. The individual wires of the sensor cable are connected to the spring-loaded terminals and looped through 1:1 to the M12 plug. Using of any M12 connection cable, the signals can be tapped from the M12 plug and distributed to various devices. It is possible now to connect the T-connector of the LinkControl adapter between the connection cable and the M12 plug. The LinkControl adapter can be supplied with voltage via the connection cable. For details of interconnecting, see the picture under connecting principle. It is certainly possible that the adapter can be used for other purposes. However, the technical data must be taken into account and adhered to.



### Key commercial data

Packing unit	1 pc
Weight per piece (excluding packing)	56g
Weight per piece (including packing)	66g
Country of origin	Germany

### Technical data mechanically

Width (W)	40mm
Height (H)	92mm
Depth (D)	50mm
Ambient temperature (operation)	0°C ... 50°C
Ambient temperature (storage/transport)	-20°C ... 70°C
Relative humidity	90% without condensation
Mounting position	any

### Technical data electric

Nominal voltage $U_N$	48V AC/DC
Nominal current $I_N$	2A
Protection class	IP20

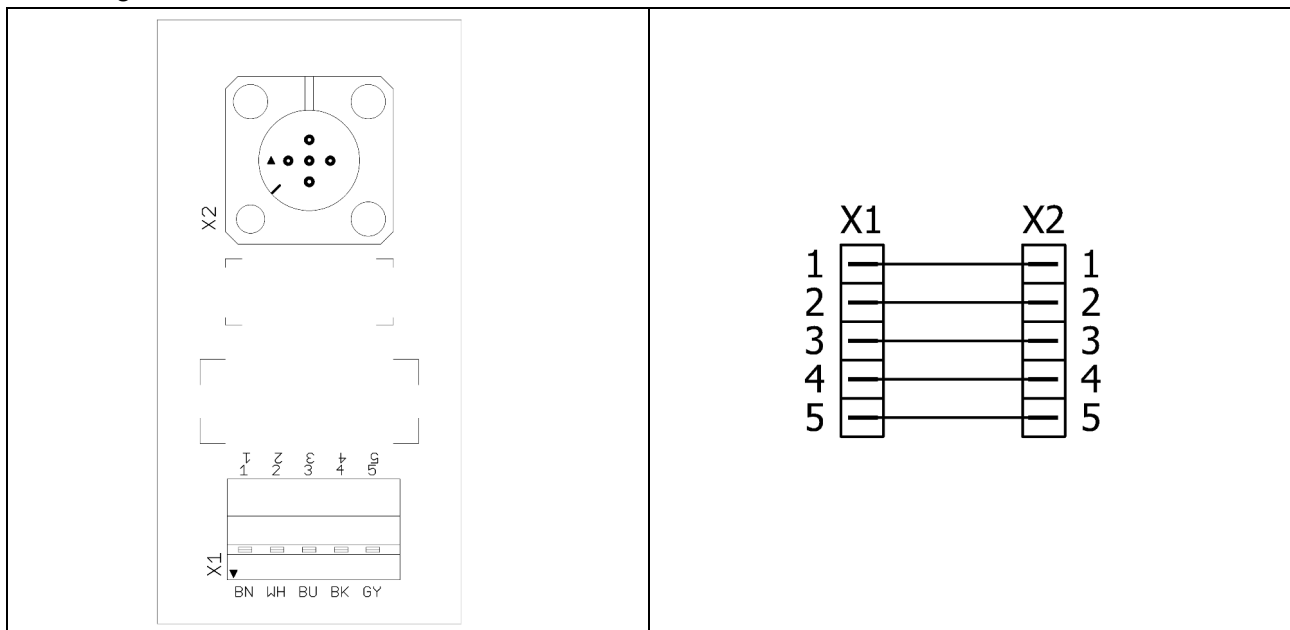
**M12-InterfaceMale**  
M12-InterfaceMale-Module

Connection data PCB terminal X1	
Connection type	Push-in spring connection
Conductor cross section solid	0,25mm <sup>2</sup> ... 1,5mm <sup>2</sup>
Conductor cross section flexible	0,25mm <sup>2</sup> ... 1,5mm <sup>2</sup>
Conductor cross section with ferrule, with/ without plastic sleeve	0,25mm <sup>2</sup> ... 1,5mm <sup>2</sup>
Stripping length	10mm
Connection data device connector X2	
Connection type	M12 plug, 5-pin, A coded

**Standards and Regulations**

Standards/regulations	EN 50178: 10/97
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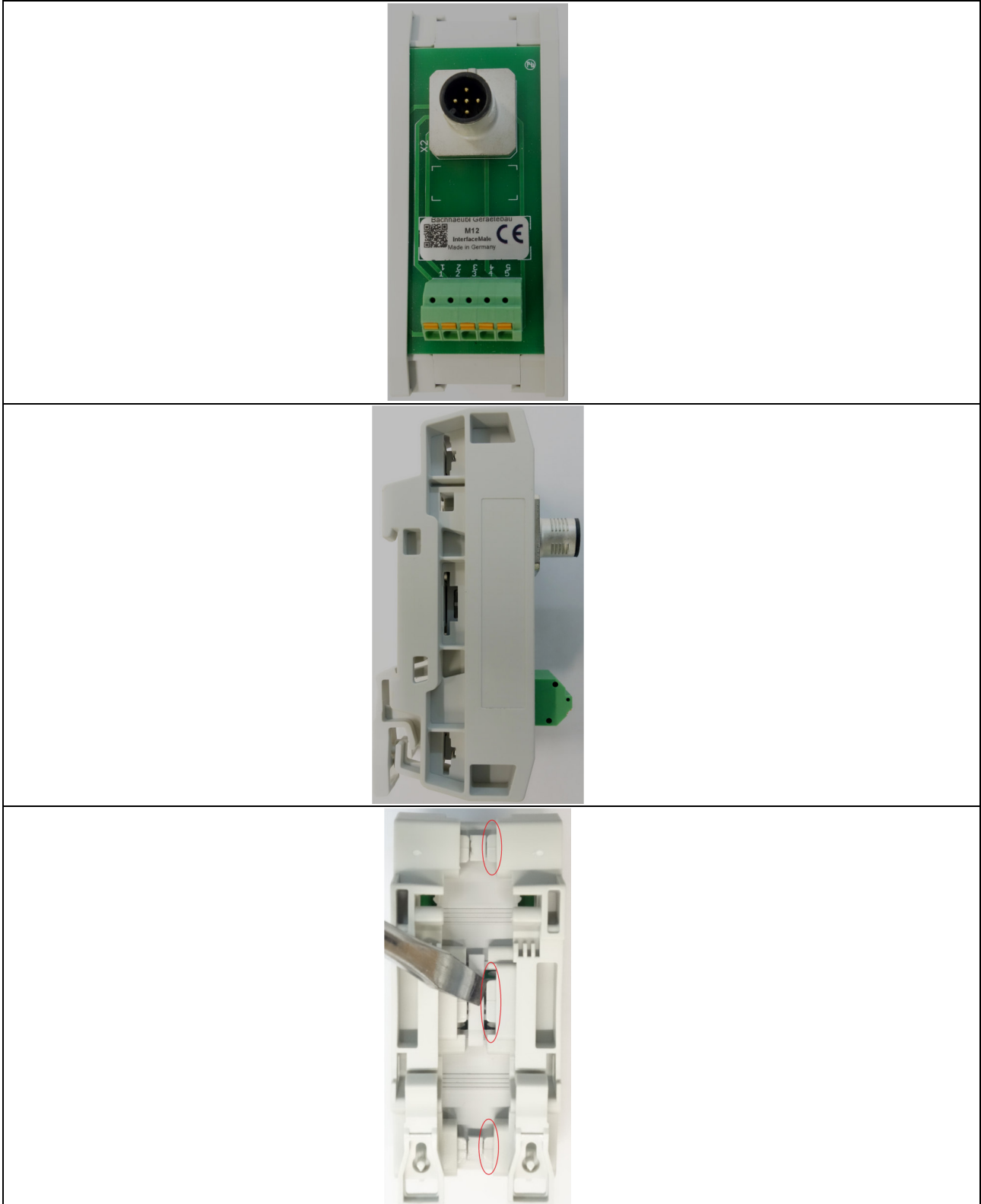
**PIN assignment**



The spring-loaded terminals for the single wires are located at the bottom at the factory. It is possible to turn the spring-loaded terminals by 180° so that connection is possible from top. 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.

## M12-InterfaceMale M12-InterfaceMale-Module

### Pictures



**M12-InterfaceMale**  
M12-InterfaceMale-Module

Connecting principle

