

## Repeater for MPI and PROFIBUS; Active PROFIBUS Dropcable



Repeater for MPI and PROFIBUS

The RS485 repeater connects two PROFIBUS or MPI bus segments in RS485 technology with max. 32 nodes, including repeaters. With it, transmission rates of 9.6 Kbps to 12 Mbps are possible.

The transmission signals are regenerated and retransmitted by the repeater.

The repeater can therefore be used to implement long PROFIBUS segments.

**Commissioning aids:**

- Switch for disconnecting segments
- Display of bus activity
- Disconnection of a segment if terminating resistor has been wrongly connected
- Terminating resistor for every segment
- Error display on bus
- Switch for disconnecting repeater functions

Ordering Data	
	Order-No.
MPI-/PROFIBUS-Repeater	700-972-0AA02

Transmission rate	max. Segment length
9,6 KBit/s	1000 m
19,2 KBit/s	1000 m
45,45 KBit/s	1000 m
93,75 KBit/s	1000 m
187,5 KBit/s	1000 m
500 KBit/s	400 m
1500 KBit/s	200 m
3000 KBit/s	100 m
6000 KBit/s	100 m
12000 KBit/s	100 m

Technical Data	
Dimensions (LxWxH mm)	115 x 110 x 35
Weight	approx. 240 g
<b>Power supply</b>	
Voltage	DC 24 V
Current consumption	max. 120 mA at 24 V
Segment connection	4x 2 terminal block
Interface	PG/OP
<b>PROFIBUS interface</b>	
Transmission rate	max. 12 Mbit/s autodetection
Protocol	PROFIBUS DP to EN 50 170
Connection	connection, SUB-D, 9-way
<b>Permissible ambient temperature</b>	
- operating	0°C ... +60°C
- transport and storage	-25°C ... +75°C
Degree of protection	IP 20



Dropcable PROFIBUS for PG

**Active PROFIBUS Dropcable for PG**

The active PROFIBUS dropcable from the Systeme Helmholtz GmbH is used for a failure-free connection of a programming device to an existing PROFIBUS net.

The active line is not a radial line because of it's integrated electronic.



Ordering Data	
	Order-No.
Dropcable PROFIBUS for PG, 3 m	700-901-4BD00