700-972-6AA02

Helmholz
COMPATIBLE WITH YOU



FLEXtra® PROFIBUS
multiRepeater 6-way

- Setup of star networks
- System expansion by up to four segments with one device
- Increase the number of participants
- Can be used for bus extension or as a spur line
- Can also be used in MPI networks
- Status LEDs for each segment
- Repeating function for each segment or totally disabled
- Electrical isolation of all segments
- Expansion of your system by up to six segments with a single device

Info

PROFIBUS repeater for mounting on the DIN rail The FLEXtra® multiRepeater is a multi-PROFIBUS repeater designed for mounting on a DIN rail. It regenerates the incoming electrical signal on a bus line and retransmits it (bit reshaping and retransmission). The signals are restored in level, slope, and duty cycle.The multiRepeater supports data rates of 9.6 kbps to 12 Mbps and recognizes them automatically.It can be used for bus extension, to increase the number of participants, and to expand the system. At the same time, use in MPI networks is possible.As a special application option, the PROFIBUS multiRepeater allows the setup of a star network with independent segments.The status LEDs integrated for each segment provide a quick overview of the current bus status. Furthermore, the FLEXtra® multiRepeater provides electrical isolation between the PROFIBUS segments. In addition, it has a DIP switch for switching off the individual segments and a switch for turning off all segments. The segments are separated but continue to function for themselves.PROFIBUS connectors are required for connection to the PROFIBUS cable. The FLEXtra® multiRepeater 6-way makes it possible to extend the system by up to six segements with a single device.

Technical data

General information	
Order number	700-972-6AA02
Article name	FLEXtra® multiRepeater 6-way
Scope of delivery	FLEXtra® multiRepeater 6-way, instructions
Dimensions (DxWxH)	35 x 137 x 72 mm
Weight	Approx. 275 g
Segment connection	Via PROFIBUS connectors
Status indicator	13 LEDs
Voltage supply	24 V DC, 18–30 V DC
Current draw	Typ. 280 mA with DC 24 V, without load
Electrical isolation	500 V, between the segments

PROFIBUS interface	
Number	6
Protocol	PROFIBUS-DP
Transmission rate	max. 12 Mbps, autom. detection
Connection	SUB-D female connector, 9-pin

Ambient conditions	
Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-25 °C ... +75 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Approvals	CE