700-972-2XA02



FLEXtra® PROFIBUS

twinRepeater SET - incl. PROFIBUS Connector

- Can be used for bus extension or as a spur line
- Increase the number of participants
- System expansion
- Can also be used in MPI networks
- Status LEDs for each segment
- Repeating function can be switched off
- Electrical isolation
- incl. 2 x PROFIBUS connectors, 90°, screw terminal with PG (700-972-0BB12)

Info

PROFIBUS repeater for mounting on the DIN rail Despite its small size, the FLEXtra® twinRepeater is a full 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 FLEXtra® twinRepeater supports data rates of 9.6 kbps to 12 Mbps and recognizes them automatically.It can be used for bus extension (up to 1 km with 2 FLEXtra® twinRepeaters), 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 FLEXtra® twinRepeater allows the setup of stubs as separate segments.The status LEDs integrated for each segment provide a quick overview of the current bus status. Furthermore, the FLEXtra® twinRepeater provides electrical isolation between the two PROFIBUS segments.In addition, it has a switch to turn off the repeating function. The segments are separated but continue to function for themselves.PROFIBUS connectors are required for connection to the PROFIBUS cable. This set contains the PROFIBUS connector 90° diagnosis with proven screw terminal and with PG interface required for connection with a PROFIBUS cable.

Technical data

General information	
Order number	700-972-2XA02
Article name	FLEXtra® twinRepeater set
Scope of delivery	FLEXtra® twinRepeater set incl. 2 PROFIBUS connectors, 90°, screw terminal, with PG, instructions
Dimensions (DxWxH)	35 x 51 x 72 mm
Weight	Approx. 110 g
Segment connection	Via PROFIBUS connectors
Status indicator	5 LEDs
Voltage supply	24 V DC, 18–30 V DC
Current draw	Typ. 60 mA with DC 24 V, without load
Output voltage per segment	5 V, 150 mA
Electrical isolation	500 V, between the segments

PROFIBUS interface	
Number	2
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