EPIC® Data PROFIBUS Connectors REPEATER

Data Connectors D-Sub (9-pin) for PROFIBUS DP,Repeater, IEC 61158, IEC 61784, with screw connection, 90 ° cable outlet, diagnostic LED and PG

Product description

Application range

- Automation technology
- Mechanical engineering
- Plant engineering
- Tool shop
- Control engineering

Benefits

- Easy extensions of the PROFIBUS network topology:
  - up to 3 repeaters
  - 1 additional PROFIBUS segment
  - galvanic isolation
- Regeneration of data signal
  (slope, power and mark-to-space ratio)
- Cost-saving due to quick installation (Plug & Play)
- Diagnostic LED is integrated

- No additional space needed in the cabinet

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Metallised housing
- An external 24 V supply is not necessary
- Status LEDs (Power, Error, Bus) for diagnostic display
- For cable outer diameter: 5 ... 8 mm

Norm references / Approvals

- D-Sub (9 pos) pin assignment in accordance with PROFIBUS
- IEC 61158, IEC 61784
- UL File: E331560

Product features

- Can also be used in MPI networks
- Can be used as a bus extension or spur line (can be plugged directly to the PG-port of an existing PROFIBUS connector)
- 5 V power supply from the PROFIBUS connection enables usage on all PROFIBUS devices
- LED diagnostic and status indicators
- Transmission rate--> max. segment length:

9.6 KBit/s	1000 m
187.5 KBit/s	1000 m
500 KBit/s	400 m
1.5 MBit/s	200 m
3 MBit/s	100 m
12 MBit/s	100 m

Technical Data

Dimensions	64 mm x 40 mm x 17 mm (LxWxH)
Connection type	Screwing
Weight	Approx. 40 g
Cable outlet	90°
Interfaces	Connection: D-Sub socket, 9-pin PROFIBUS-cable: 4 terminal blocks for wires up to 1.0 mm² Protocol: PROFIBUS DP in accordance with EN 50170
Protection rating	IP20

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Current consumption	typ. 100 mA
Transmission rate	9.6 Kbit/s to 12 MBit/s autodetection
Degree of soiling	2
Supply voltage	+5,0 VDC (supplied from terminal)
Permissble ambient conditions	Operating temperature: 0°C to +60°C Transport and storage temperature: -25°C to +75°C