



Data Connector D-Sub (9-pin.) for PROFIBUS DP according to IEC 61158, IEC 61784, with optical interface and repeater functionality and optical fiber interface (POF and PCF)

- Fully functioning PROFIBUS repeater with integrated optical interface



## Product description

### Application range

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

### Benefits

- Easy covering of large distances
- Cost-saving due to quick installation (Plug & Play)
- Galvanic isolation in case of potential differences within PROFIBUS network
- For EMC critical environments
- Regeneration of data signal  
(slope, power and mark-to-space ratio)

## Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Metallised housing
- With additional programming/diagnostic interface: Sub-D socket, 9-pin
- An external 24 V supply is not necessary
- Connection for optical cable (POF or PCF)

## Norm references / Approvals

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

## Product features

- Integrated repeater functionality
- Switchable bus termination is integrated
- Diagnostic LEDs (blue, green, red, yellow)
- max. distance:  
POF fiber: 65 m  
PCF fiber: 250 m

## Technical Data

Dimensions

Terminating resistor

Weight

Cable outlet

Interfaces

Protection rating

Current consumption

Transmission rate

Degree of soiling

Supply voltage

Permissible ambient conditions

64 mm x 40 mm x 17 mm (LxWxH)

Integrated resistor combination that is connected by a sliding switch

Approx. 40 g

90°

Connection: Sub-D socket, 9-pin

FO-cable:

- Polymeric-optical-fiber (POF), 650 nm

- Polymer-cladded-fiber (PCF), 650 nm

applicable types of connectors:

SMA, BFOC(ST) and HFBR

IP 20

typ. 100 mA

max. 12 MBit/s

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+5,0 VDC

(supplied from terminal)

Operating temperature:

0°C to +60°C

Transport and storage temperature:

-25°C to +75°C