



Data Connectors D-Sub (9-pin.) For PROFIBUS DP according to IEC 61158, IEC 61784, with screw-connection, 90° cable outlet and PG (option)

- Fully compatible with market standard



## Product description

### Application range

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

### Benefits

- For use within intrinsically-safe circuits in zone 2 areas with an explosion hazard (explosive gas atmosphere occurs only rarely and briefly)
- Standardised interfaces
- Improved electromagnetic compatibility (EMC) by metallized housing
- Easy connection of bus cables by proven screw clamp connection
- Secure PROFIBUS network connection

## Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Metallised housing
- Cable outlet 90°
- For cable outer diameter:  
5 ... 8 mm
- (-PG) With additional programming/diagnostic interface: D-Sub socket, 9-pin

## Norm references / Approvals

- UL File: E331560
- D-Sub (9 pos) pin assignment in accordance with PROFIBUS
- DIN EN 60079-0:2006, DIN 60079-15:2005 category 3G zone 2

## Product features

- Screw termination
- Switchable bus termination is integrated
- Switch can also be operated when the connector is plugged and setting is clearly visible
- When used as a through connector (two cable connections, node) the switch must be in the "OFF" position. If used as a terminating connector (one cable connection, segment end), the switch must be in the "ON" position.
- If the switch is in the "ON" position the outgoing bus cable is disconnected

## Technical Data

Dimensions	64 mm x 40 mm x 17 mm (LxWxH)
Terminating resistor	Integrated resistor combination that is connected by a sliding switch
Connection type	Screwing
Weight	Approx. 40 g
Cable outlet	90°
Interfaces	PROFIBUS station: D-Sub socket, 9-pin PROFIBUS cable: 4 terminal blocks for wires up to 1.0 mm <sup>2</sup> (solid / flexible)
Protection rating	IP20
Current consumption	max. 12.5 mA
Transmission rate	max. 12 MBit/s
Degree of soiling	2
Supply voltage	4.75 to 5.25 V DC (supplied from terminal)
Permissible ambient conditions	Operating temperature:

-20°C to +60°C

Transport and storage temperature:

-25°C to +80°C

Relative humidity:

max. 75 % at +25°C