



Robust Data Connectors D-Sub (9-pin.) for PROFIBUS DP, full metal housing, 360° shielding, EMC optimized version with M12 or spring type



## Product description

### Application range

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

### Benefits

- Optimum EMC protection
- Very flexible in use
- Robust and failsafe design in harsh environments.
- Secure PROFIBUS network connection
- Cost-saving due to quick installation (Plug & Play)

### Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Full-metal housing (ZnAl)
- With additional programming/diagnostic interface (90° and 35° version): D-Sub socket, 9-pin
- with undetachable EMC connector protection (PG port) at angled variants
- 360° shielding of housing

## Norm references / Approvals

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

## Product features

- Extended temperature range
- High mechanical durability (200 contact durability)
- less transmission loss
- Switchable bus termination is integrated
- No loose parts

## Technical Data

Dimensions	see technical data sheet
Terminating resistor	Integrated resistor combination that is connected by a sliding switch
Connection type	internal cable clamp: cage clamp terminal
Weight	Approx. 100 g
Cable outlet	90°, 35° and axial
Interfaces	PROFIBUS station: D-Sub socket, 9-pin PROFIBUS cable: - Version: M12 PROFIBUS system cabling - Version: Spring type for sytem cabeling Wire size: 0,08 - 0,5 mm <sup>2</sup> (AWG 28 - AWG 14) Cable diameter: 8 - 9 mm
Protection rating	IP 30
Transmission rate	max. 12 MBit/s
Degree of soiling	2
Supply voltage	4.75 to 5.25 V DC (supplied from terminal)
Permissble ambient conditions	Operating temperature: -20°C to +70°C Relative humidity: max. 75 % at +25°C