

Connector M12 with PG 90° compact and standard

Function

The bus connector is specifically designed for a simple, fast and safe plug & play connection of maximum 40 PROFIBUS devices in PROFIBUS systems up to 2 Mbit/s. The front-end standardized PROFIBUS sub-miniature connector is plugged to the PB device.

The bus connector is connected with the bus network by precut M12 PROFIBUS cables.

For shielding and safe use even under rougher conditions it has been provided with an all-metal housing. The influences of problematic bus components and the influences of measuring and test devices are largely compensated.

For diagnostic or programming purposes the connector has a second sub-miniature interface.

Its compact design allows an application under almost all conditions, in particular in narrow spaces.

Bus connection

- 9-pin sub-D interface
- M12 B-coded
- 90° cable outlet

Electrical parameters

- Bus termination: Bus termination resistors activated via external switch or via M12 terminating resistor
- Baud rate: 9,6 kbps to 12 Mbps

Ambient conditions

- Ambient temperature: -20 °C to +70 °C
- Permissible humidity: max. 75% at +25 °C, non-condensing
- Industrial protection: IP30

Design

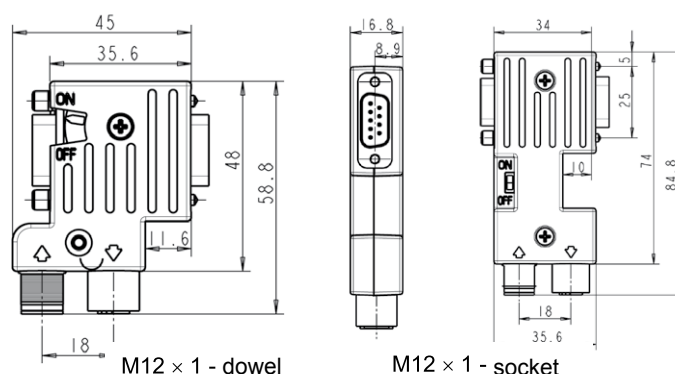
- Dimensions (H x W x D)
compact: 58,8 x 16,8 x 45 mm
standard: 84,8 x 16,8 x 35,6 mm
- Interface: 9-pin sub-D
- Casing: Zinc alloy

CE mark

Plugs are passive components and are not subject to the CE mark system pursuant to EU Directives.

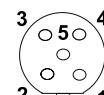


Connector M12 with PG 90° compact (left) and standard (right)



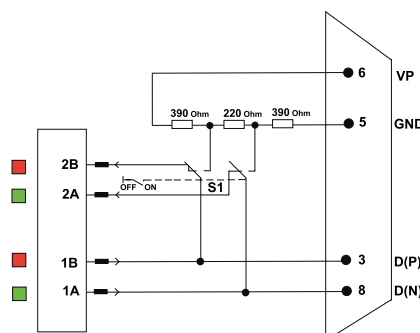
M12 x 1 - dowel

M12 x 1 - socket



Fieldbus connection by M12 B-encoded

Engineering drawing compact (left) and standard (right)



Functional diagram

Ordering details

Art. No.

Connector M12 with PG 90° compact

110050016

Connector M12 with PG 90° standard

110050017

Accessories

M12 terminator socket

110050019