

Diagnostic connector PG/90° screw terminal

Function

The PG/Service interface serves as feedback-free measuring point for measurements with PROTest II XL/PROFI-TM Professional and PB-INSPEKTOR® NT can also be used as programming interface. The plug is completely shielded by the metal-coated casing. The plug for the terminating resistor that is accessible from outside, disconnects the outgoing segment when being in ON position.

The integrated three LEDs are used for the quick diagnosis of the bus status.

Bus connection

- 9-pin sub-D interface
- Screw terminal connection
- 90° cable outlet

Electrical parameters

- Terminating resistor: integrated, can be switched with a sliding switch from outside
- Baud rate: 9.6 kbps to 12 Mbps
- Supply voltage: 4.75 to 5.25 VDC
has to be provided by each PROFIBUS user (Pin 5 GND, Pin 6 +5V)
- Current drain: 35 mA
- Diagnostic display through LED status

Ambient conditions

- Operating temperature: -25°C to +85°C
- Transport / storage temperature: -25°C to +85°C
- Relative humidity: max. 75 % at a temperature of +25 °C
- Industrial protection: IP20

Design

- Dimensions (H x W x D): 64 x 17 x 40 mm
- Interface: 9-pin sub-D
- Weight: approx. 40 g
- Casing: plastic materials metallized

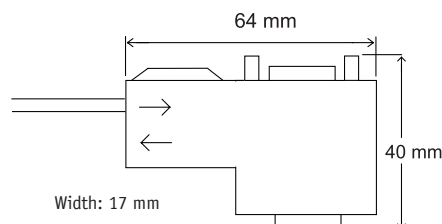
Status display for diagnostic function

Switch ON/OFF	TX Blue	Bus Green	R ON Orange	Description
X	○	X	X	No bus activity of participant
X	•	X	X	Bus activity of participant
X	X	○	X	No bus activity
X	X	✱	X	Bus activity
OFF	X	X	○	Termination is switched off
ON	X	X	✱	Termination is activated

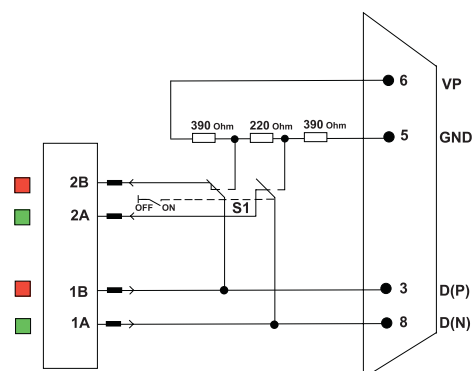
ON: • OFF: ○ flashing (5Hz): ✱ extraneous: x



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Engineering drawing



Functional diagram

Ordering details

Art. No.

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