

Indu-Sol GmbH – Specialist in Industrial Networks

Diagnostic connector axial Fast Connect

Function

The PG/Service interface serves as feedback-free measuring point for measurements with PROFtest 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 is accessible from outside, disconnects the outgoing segment when being in ON position. The integrated 4 LEDs (Power, TxD, Termination, Error) serve for a guick diagnosis of the bus status. With the Error LED, for example reflections and missing terminating resistors are signalled. The design meets the Fast Connect requirement.

Bus connection

- 9-pin sub-D interface
- Insulation piercing terminal (suitable for Fast Connect cable)
- Axial cable outlet

Electrical parameters

•	Terminating	resistor:	

- Baud rate:
- Supply voltage:

integrated, can be switched with a sliding switch from outside 9.6 kbps to 12 Mbps 4.75 to 5.25 VDC has to be provided by each PROFIBUS user (Pin 5 GND, Pin 6 +5V)

- Current drain:
- Diagnostic display through LED status

Ambient conditions

- Operating temperature: -20 °C to +75 °C
- Industrial protection: **TP20**

Design

- Dimensions (H x W x D):
- Interface: • Weight:

34 x 15,8 x 64 mm 9-pin sub-D approx. 80 g zinc die cast

0,02 Nm

10 ... 30 mA

• Casing: • Max. fastening torque:

Status display for diagnostic function

Switch ON/OFF	PWR Green			ERR Yellow	
х	•	x	x	x	Power is OK (+5V ±5%)
x	₽	x	x	x	Power is out of (+5V ±5%)
x	¢	x	x	₽	Short-circuit of bus wire possible
х	x	0	х	х	No bus activity of participant
х	х	¢	х	х	Bus activity of participant
х	x	•	х	х	Bus activity, RTS (pin 4) of RS485 is not connected
OFF	x	х	0	х	Termination is switched off
OFF	x	х	₽	х	Internal terminating resistor faulty
ON	x	х	•	х	Termination is activated
х	x	x	х	0	No errors detected
OFF	x	¢	0	•	Bus is not terminated
OFF	x	0	0	•	Bus is open

0N: • 0FF: 0 flashing (5Hz): 🌣

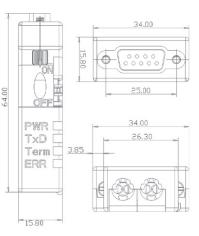
CE mark

Plugs are passive components and are subject to the CE mark system pursuant to EU Directives.

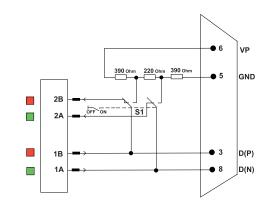


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Engineering drawing



Functional diagram

Diagnostic connector axial Fast Connect 11005	
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