Dimensions

Electrical connection

PROFIBUS Interface

socket:
1 -
2 RxD/TxD-N
3 -
4 RxD/TxD-P
5 screen

blind plug

blind plug

supply

connector:
1 +24 V
2 -
3 0 V
4 -

Model Number

U-P6-B6-V15B

Base for PROFIBUS DP, plug-in connection

Features

- PROFIBUS DP acc. to EN 50170
- M12 round connection for supply
- M12 round connection for BUS (B-coded)
- Complete read/write functionality via the PROFIBUS DP
- Transmission of up to 7 double words, 32 bit each, in one cycle
- Connectable bus termination
- Field device with protection degree IP67

Function

The base is used in combination with an upper part, the IPT*-FP read/write station.
The device is operated as a slave on the PROFIBUS DP. The device makes available the complete read/write functionality. Up to 32 bytes are transmitted per cycle. Of these, up to 7 double words, each with 32 bits, are available to the user.
The rounded connector M12 for BUS and supply allows a rapid assembly.
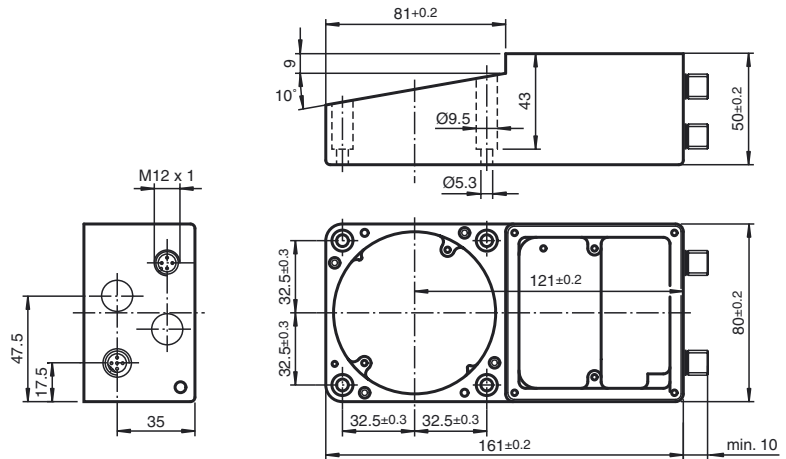
Matching system components

IPT1-FP
Read/write station
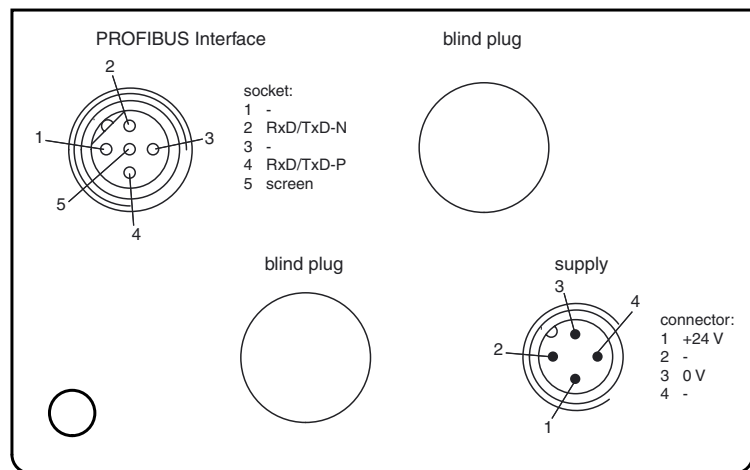
IPT-FP
Read/write station

Technical data

Indicators/operating means		
DIP-switch		Setting the station address bus connection ON = active OFF = non-active
Electrical specifications		
Rated operational voltage	U_e	20 ... 30 V DC , ripple 10 %$_{SS}$, PELV
Power consumption	P_0	max. 5 W with read/write head IPT*-FP
Electrical isolation		
Operating voltage/interface		functional insulation acc. to DIN EN 50178, rated insulation voltage 50 V_{eff}
Interface		
Physical		RS 485
Protocol		PROFIBUS DP acc. to EN 50170
Transfer rate		9.6; 19.2; 93.75; 187.5; 500; 1500 kBit/s 3; 6; 12 Mbit/s self-synchronizing
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Climatic conditions		air humidity max. 95 %
Mechanical specifications		
Protection degree		IP67 according to EN 60529 with IPT*-FP
Connection		connector M12 x 1, 4-pin for supply; M12 x 1 device socket, 5-pin, B-coded for PROFIBUS
Material		
Housing		aluminum, black anodized

Subject to modifications without notice

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776-4411
fa-info@pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

Copyright Pepperl+Fuchs

PEPPERL+FUCHS
SENSING YOUR NEEDS

1

Accessories

ICZ-3T-0,2M-PUR ABG-V15B-G
Y connection cable for PROFIBUS

ICZ-TR-V15B
Terminal resistor for PROFIBUS

V15B-G
Cable socket, M12, for PROFIBUS, adjustable

V15SB-G
Cable connector, M12, for PROFIBUS, adjustable

V15B-G-0,6M-PUR ABG-V15B-G
M12 connection cable for PROFIBUS

Release date: 2011-07-19 12:11   Date of issue: 2011-07-19   130150_eng.xml