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## **Model Number**

#### U-P6-B6

Base for PROFIBUS DP

## **Features**

- PROFIBUS DP acc. to EN 50170
- · 2 PG screw fittings for IN and OUT 2 EMV PG screw fittings for BUS IN and OUT
- 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 address is set and the terminating resistor for the bus is connected via DIP switches. While the bus termination is switched on, the subsequent subscribers which are connected to the terminals (P, N out) are disconnected from the bus.

# **Matching system components**

2011-07-19

Date of issue:

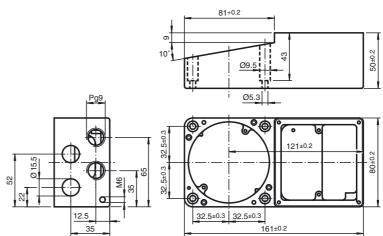
Release date: 2011-07-19 12:11

Read/write station

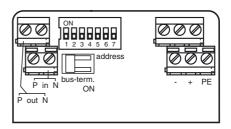
## **IPT1-FP**

Read/write station

#### **Dimensions**



## **Electrical connection**



# **Technical data**

Indicators	operating/	means

DIP-switch Setting the station address bus connection ON = active OFF = non-active

### **Electrical specifications**

Rated operational voltage 20 ... 30 V DC , ripple 10  $\%_{SS}$  , PELV Power consumption 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<sub>eff</sub>

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) -40 ... 85 °C (-40 ... 185 °F) Storage temperature

**Mechanical specifications** 

Protection degree IP67 according to EN 60529 with IPT\*-FP Connection screw terminals 2 x 0.64 mm<sup>2</sup>, double screened, acc. to PROFIBUS standard Interface cable

EN 50170

up to 3 x 1.5 mm<sup>2</sup> VlaguZ

Material aluminum, black anodized Housing

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