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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.

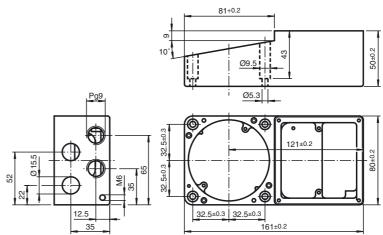
Matching system components

Read/write station

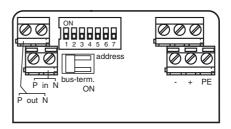
IPT1-FP

Read/write station

Dimensions



Electrical connection



Technical data

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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

RS 485

Operating voltage/interface functional insulation acc. to DIN EN 50178, rated insulation voltage 50 V_{eff}

Interface Physical

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 mm², double screened, acc. to PROFIBUS standard Interface cable EN 50170

up to 3 x 1.5 mm² VlaguZ

Material

aluminum, black anodized Housing