Dimensions

Electrical connection

incoming interface

1	DO1
2	/DO1
3	DI1
4	/DI1
5	GND
6	PE
7	+24 V
8	0 V
9	

connector

outgoing interface

1	DO2
2	/DO2
3	DI2
4	/DI2
5	GND
6	PE
7	+24 V
8	0 V
9	/RBST

socket

Model Number

U-P6-B5-V

Base for INTERBUS, plug-in connection

Features

- Bus subscriber for INTERBUS installation

- 500 kBit/s or 2 MBit/s transfer rate (switchable)

- M23 round connection for BUS and supply

- Complete read/write functionality via the INTERBUS

- Transfer of 10 bytes of data in one cycle
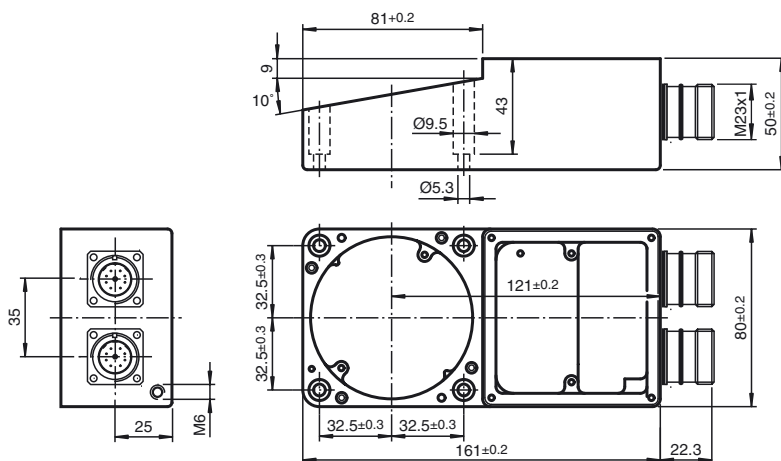
- Field device with protection degree IP67

Function

The base is used in combination with an upper part, the IPT*-FP read/write station.
The device is operated as a slave at the INTERBUS installation remote bus. The device offers the full read/write functionality. Up to 10 byte per cycle can be transferred.
By means of an internal slide switch the transfer rate can be switched over between 500 kbit/s and 2 Mbit/s.
The rounded connector M23 for BUS and supply allows a rapid assembly.

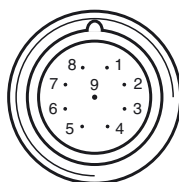## Matching system components

IPT-FP
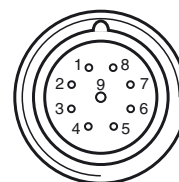Read/write station

IPT1-FP
Read/write station

Indicating / Operating means

slide switch
to select the
transfer rate

2 MBit/s

500 kBit/s

Previous version:
slide switch
to select the
transfer rate

500 kBit/s

2 MBit/s
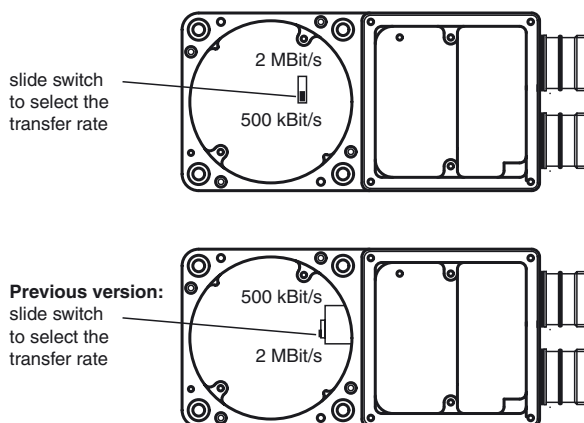
Technical data

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

Subject to modifications without notice

Copyright Pepperl+Fuchs

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

PEPPERL+FUCHS
SENSING YOUR NEEDS

1

Physical	RS 485
Protocol	INTERBUS remote bus
ID code	03
Transfer rate	500 kBit/s or 2 MBit/s internally switchable
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Protection degree	IP67 according to EN 60529 with IPT*-FP
Connection	Round connector M23, 8+1 Pin Connector: incoming interface socket: outgoing Interface
Interface cable	up to 1.5 mm^2
Supply	up to 3 x 1.5 mm^2
Material	
Housing	aluminum, black anodized