Base for read/write station, plug-in connection

U-P3-R4-V15

- Degree of protection IP67
- Simple bus system with up to 30 units
- Serial interface RS 485, addressable

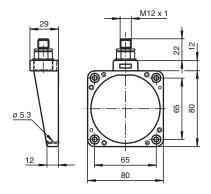Base with addressable serial Interface RS 485

CE

Function

The base is used in combination with an upper part, the IPT*-FP read/write station. An addressable RS 485 interface is available. It is thus possible to create a simple bus connection with up to 30 subscribers.
The address is set and the terminating resistor for the bus is connected via DIP switches.
The read/write station is connected to a higher-order control system via the serial interface and receives the commands for writing and/or reading code or data carriers via this interface.
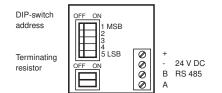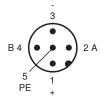
Dimensions

Technical Data

Indicators/operating means		
DIP switch		Setting the station address bus connection ON = active OFF = non-active
Electrical specifications		
Rated operating voltage	U_e	20 ... 30 V DC , ripple 10 %$_{SS}$, PELV
Power consumption	P_0	max. 4 W with read/write head IPT*-FP
Galvanic isolation		
Operating voltage/interface		functional insulation acc. to DIN EN 50178, rated insulation voltage 50 V_{eff}
Interface		
Physical		RS-485, addressable , up to 30 bases , address 1 ... 30

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Technical Data

Protocol	ASCII
Transfer rate	1200; 2400; 4800; 9600; 19200; 38400 Bit/s
Cable length	≤ 1200 m
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Degree of protection	IP67 according to EN 60529 with IPT*-FP
Connection	5-pin, M12 x 1 connector
Material	
Housing	diecast aluminum

Connection

Matching system components

	IPT1-FP	LF R/W system, fully assembled as configuration and test station

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

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

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

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

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