CE

Model Number

U-P4-R4

Base with addressable serial Interface RS 485

Features

- Protection degree IP67
- Simple bus system with up to 30 units
- Serial interface RS 485, addressable

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.
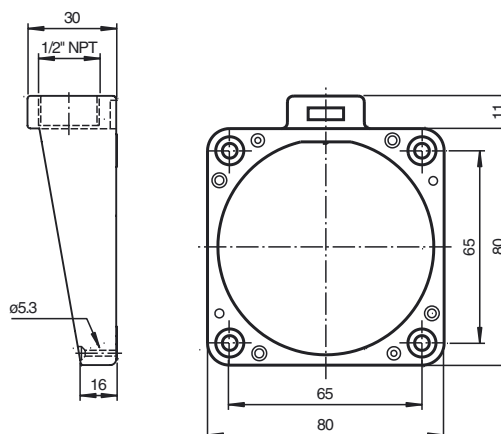The address is set and the terminating resistor for the bus is connected via DIP switches. The read/write station is connected to a higher-order control system via the serial interface and receives the commands for writing and/or reading code or data carriers via this interface.
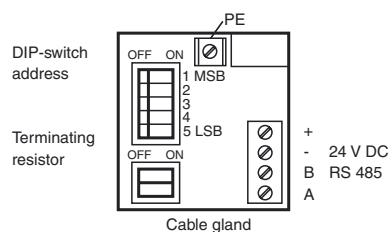
Matching system components

IPT-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	U_e	20 ... 30 V DC , ripple 10 %$_{SS}$, PELV
Power consumption	P_0	max. 4 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, addressable , up to 30 bases , address 1 ... 30
Protocol		ASCII
Transfer rate		1200; 2400; 4800; 9600; 19200; 38400 Bit/s
Cable length		≤ 1200 m
Ambient conditions		
Ambient temperature		-25 ... 70 °C (248 ... 343 K)
Storage temperature		-40 ... 85 °C (233 ... 358 K)
Mechanical specifications		
Protection degree		IP67 according to EN 60529 with IPT*-FP
Connection		screw terminals
Interface cable		2 conductor, acc. to RS 485
Supply		up to 3 x 1.5 mm^2
Material		
Housing		aluminium diecasting