

Read/write station

IPT1-FP

- With integrated control interface unit
- Serial interfaces and field-bus interfaces selectable through lower part
- Read distance of up to 100 mm
- Write distance of up to 50 mm
- 3 LEDs for function indication
- Degree of protection IP67
- Optimized reading speed for fixed codes
- Suited for writing of IPC11

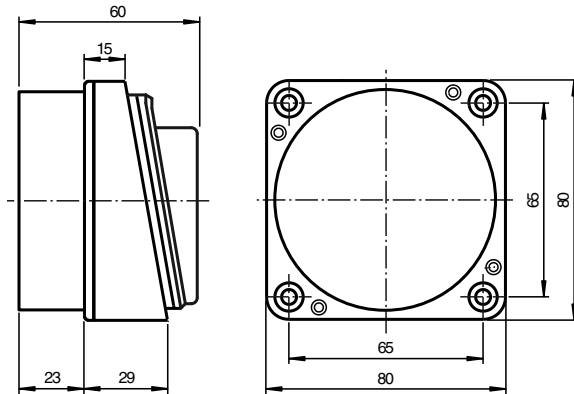
LF R/W system, fully assembled as configuration and test station



Function

The IPT1-FP read/write station is used in combination with a base which contains the interface for connecting to a computer. Through the choice of base, either serial interfaces or field-bus interfaces may be selected. The analysis system is integrated in the device and simplifies the system construction. Protection class IP67 allows the device to be installed directly in the field.

Dimensions



Technical Data

General specifications










| | |
|---------------------|-----------------|
| Operating frequency | 125 kHz |
| Transfer rate | 2 kBit/s |
| Operating distance | maximum: 100 mm |
| UL File Number | E87056 |

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Technical Data

| Indicators/operating means | | |
|-----------------------------|-------|--|
| LED green | | Power on |
| LED yellow | | IPC detected |
| LED red | | bus fault (when using fieldbus interfaces) |
| Electrical specifications | | |
| Rated operating voltage | U_e | 20 ... 30 V DC , ripple 10 % _{SS} , PELV |
| Power consumption | P_0 | max. 5 W , in connection with the base |
| Galvanic isolation | | |
| Operating voltage/interface | | functional insulation acc. to DIN EN 50178, rated insulation voltage 50 V _{eff} |
| Mag. Field strength | | < 27.3 dB μ A/m at 10 m |
| Interface | | |
| Physical | | Interface type depends on base used |
| Directive conformity | | |
| Radio equipment | | |
| Directive 2014/53/EU | | EN 301489-1 EN 300330 EN 62368-1 |
| RoHS | | |
| Directive 2011/65/EU (RoHS) | | IEC/EN 63000 |
| Standard conformity | | |
| RFID | | ISO/IEC 18000-2 |
| 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 base |
| Material | | |
| Housing | | PBT |

Matching System Components

| | | |
|---|---------------------|--|
|  | U-P3-RX | Base with serial interfaces RS 232 and RS 485 |
|  | U-P3-R4 | Base with addressable serial Interface RS 485 |
|  | U-P3-R4-V15 | Base with addressable serial Interface RS 485 |
|  | U-P6-B5 | Base for INTERBUS |
|  | U-P6-B5-V | Base for INTERBUS, plug-in connection |
|  | U-P6-B6 | Base for PROFIBUS DP |
|  | U-P6-B6-V15B | Base for PROFIBUS DP, plug-in connection |
|  | U-P6V4A-B6 | Base for PROFIBUS DP, stainless steel version |
|  | U-P3V4A-RX | Base with serial interfaces RS 232 and RS 485, stainless steel version V4A |

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