



RFID read/write device hazardous area

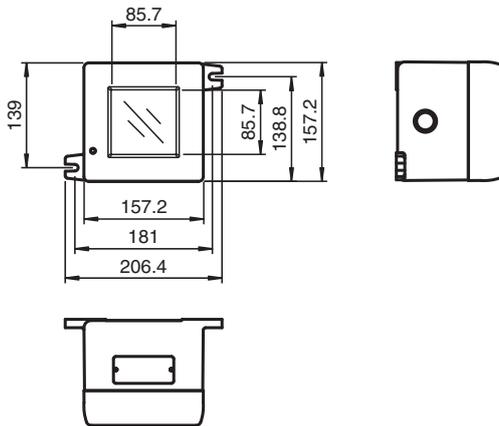
IPH-FP-C1D1

- Explosion-proof housing
- Connection via screw terminals
- Approved for Class I, Groups C, D

LF read/write head, for IDENTControl, for hazardous areas



Dimensions



Technical Data

| General specifications | |
|----------------------------|--|
| Operating frequency | 125 kHz |
| Transfer rate | 2 kBit/s |
| Sensing range | |
| Read distance | 0 ... 52 mm |
| Write distance | 0 ... 43 mm |
| Width | max. 62 mm |
| UL File Number | E254700 |
| MTBF | 350 a (Operation at +40 °C) |
| Indicators/operating means | |
| LED green/yellow | green: power on green flashing: read/write attempt performed yellow: data carrier detected |
| Electrical specifications | |
| Power consumption | P ₀ ≤ 1.2 W |
| Supply | from the IDENTControl |
| Standard conformity | |

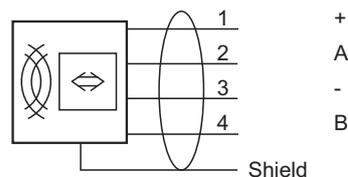
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Technical Data

| | |
|-----------------------------------|---|
| Electromagnetic compatibility | EN 301489-1 EN 301489-3 EN 300330 |
| Degree of protection | EN 60529 |
| Safety | EN 62368-1 |
| RFID | ISO/IEC 18000-2 |
| Approvals and certificates | |
| UL approval | Class I, Division 1, Groups C, D |
| FCC approval | This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. |
| Ambient conditions | |
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Storage temperature | -40 ... 85 °C (-40 ... 185 °F) |
| Mechanical specifications | |
| Housing length | 157 mm |
| Housing width | 157 mm |
| Housing height | 140 mm |
| Degree of protection | NEMA Type 4, 7, 9 |
| Connection | Terminals |
| Material | |
| Housing | diecast aluminum |
| Base | diecast aluminum |
| Installation | |
| Distance between two heads | Multiplex on: ≥ 65 mm Multiplex off: ≥ 515 mm |
| Mass | approx. 4080 g |

Connection



Safety Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.