



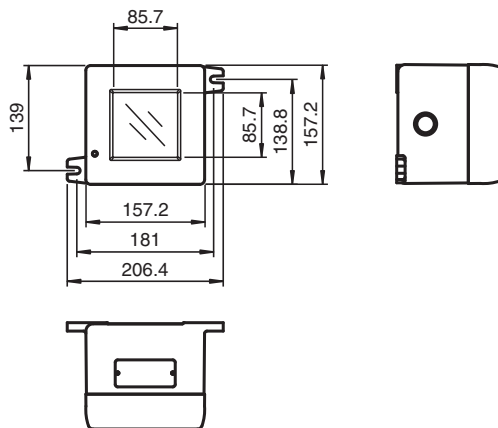
Read/write head for hazardous areas IPH-FP-C1D1

- 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	E305142

Functional safety related parameters

MTTF _d	710 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

LED green/yellow	green: power on green flashing: read/write attempt performed yellow: data carrier detected
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Electrical specifications

Release date: 2020-03-24 Date of issue: 2020-03-27 Filename: 915494_eng.pdf

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

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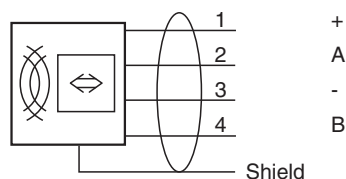
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Technical Data

Power consumption	P_0	$\leq 1.2 \text{ W}$
Supply		from the IDENTControl
Compliance with standards and directives		
Directive conformity		
R&TTE Directive 1995/5/EC		EN 301489-1 V1.8.1 (2008-04), EN 301489-3 V1.4.1 (2002-08), EN 300330-2 V1.3.1 (2006-04), EN 60950-1:2006
Standard conformity		
Electromagnetic compatibility		EN 61326
Degree of protection		EN 60529
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		
Degree of protection		NEMA Type 4, 7, 9
Connection		Terminals
Material		
Housing		diecast aluminum
Base		diecast aluminum
Installation		
Distance between two heads		Multiplex on: $\geq 65 \text{ mm}$ Multiplex off: $\geq 515 \text{ mm}$
Mass		approx. 4080 g


Connection



Accessories

	IPC03-50P	Data carrier
	IPC03-58	Data carrier
	IPC02-50P	Code carrier
	IPC02-C1	Code carrier

Accessories

	IPC11-50CD 10pcs	Data carrier
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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.

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