

Read/write head

IPH-F90A-V1

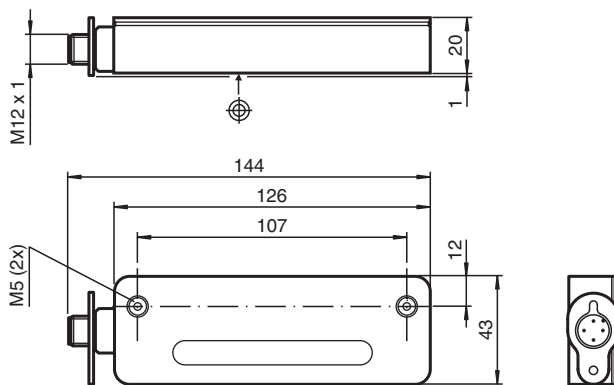


- Connection via V1 (M12 x 1) plug connection
- Dual-LED for function display
- Degree of protection IP67
- For connection to IDENTControl control interface

LF read/write head for IDENTControl



Dimensions



Technical Data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s
Sensing range	
Read distance	3 ... 90 mm (with transponder IPC03-50P at 25°C)
Write distance	3 ... 80 mm (with transponder IPC03-50P at 25°C)
Width	max. 140 mm
UL File Number	E87056

Functional safety related parameters

MTTF _d	700 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: 2020-04-24 Date of issue: 2020-04-24 Filename: 224058_eng.pdf

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

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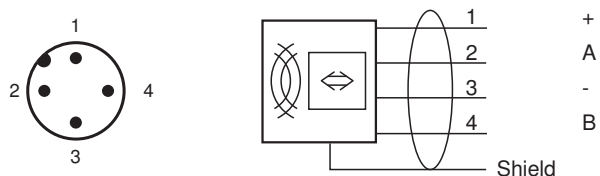
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 **PEPPERL+FUCHS**

Technical Data

Power consumption	P_0	$\leq 1.2 \text{ W}$
Supply		from the IDENTControl
Mag. Field strength		$< 27.3 \text{ dB}\mu\text{A/m}$ at 10 m
Directive conformity		
Radio equipment		
Directive 2014/53/EU		EN 301489-1 EN 301489-3 EN 300330 EN 62368-1 EN 50364
RoHS		
Directive 2011/65/EU (RoHS)		EN 50581
Standard conformity		
Degree of protection		EN 60529
RFID		ISO/IEC 18000-2
Ambient conditions		
Ambient temperature		$-25 \dots 55 \text{ }^\circ\text{C}$ ($-13 \dots 131 \text{ }^\circ\text{F}$)
Storage temperature		$-40 \dots 55 \text{ }^\circ\text{C}$ ($-40 \dots 131 \text{ }^\circ\text{F}$)
Mechanical specifications		
Degree of protection		IP67
Connection		connector M12 x 1
Material		
Housing		ABS
Encapsulation compound		WEVO 403FL/300
Installation		
Distance between two heads		Multiplex on: $\geq 100 \text{ mm}$ Multiplex off: $\geq 550 \text{ mm}$
Mass		approx. 180 g

Connection



Accessories

	IC-KP-B6-V15B	Control interface unit IDENTControl with PROFIBUS DP interface
	IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols
	IC-KP2-2HRX-2V1	Control interface unit IDENTControl Compact with serial interface RS-232 and RS-485
	IC-KP2-2HB6-V15B	Control interface unit IDENTControl Compact with interface for PROFIBUS DP
	IC-KP2-2HB17-2V1D	IDENTControl Compact control interface with Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols

Accessories

	IC-KP2-2HB21-2V1D	Control interface unit IDENTControl Compact with EtherCAT interface
	IPC02-12 50pcs	Code carrier
	IPC02-26-T6 10pcs	Code carrier
	IPC02-50P	Code carrier
	IPC03-C1 10pcs	Data carrier
	IPC03-12.4 10pcs	Data carrier
	IPC03-30P	Data carrier
	IPC03-50P	Data carrier
	IPC03-58	Data carrier
	V1-G-2M-PUR-ABG-V1-W	Connecting cable, M12 to M12, PUR cable 4-pin, shielded
	V1-G-5M-PUR-ABG-V1-W	Connecting cable, M12 to M12, PUR cable 4-pin, shielded
	V1-G-10M-PUR-ABG-V1-W	Connecting cable, M12 to M12, PUR cable 4-pin, shielded