



Read/write station

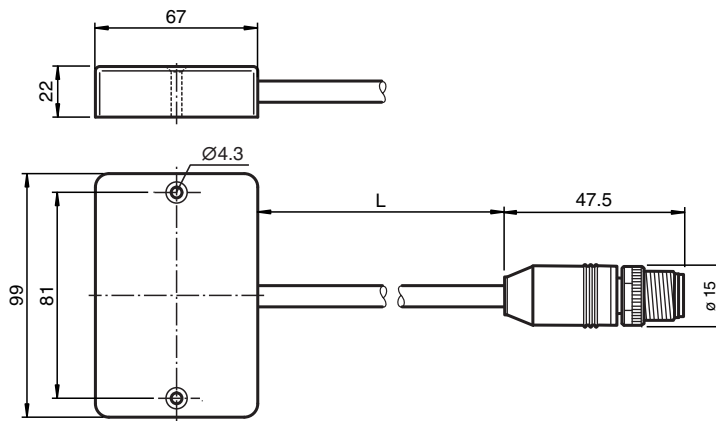
IQT-F116-R4M-V1

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Connection via V1 (M12 x 1) plug connection
- RS 485 Multidrop

HF R/W system, ISO 15693



Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Sensing range	
Read distance	0 ... 130 mm
Write distance	0 ... 130 mm
Width	max. 100 mm
UL File Number	E87056

Electrical specifications

Rated operating voltage	U_e	17.5 ... 30.6 V DC , ripple 10 % _{SS} , limited power source (EN 60950)
Power consumption	P_0	≤ 1.2 W
Mag. Field strength		<19 dBμA/m at 10 m

Interface

Physical	RS-485 multidrop
Protocol	ASCII
Transfer rate	38400 Bit/s
Cable length	≤ 3 m

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

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PEPPERL+FUCHS

Technical Data

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)		IEC/EN 63000

Standard conformity

Degree of protection		EN 60529
RFID		ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3

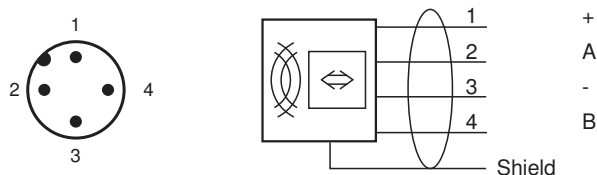
Ambient conditions

Ambient temperature		-10 ... 55 °C (14 ... 131 °F)
Storage temperature		-10 ... 55 °C (14 ... 131 °F)

Mechanical specifications

Housing length		99 mm
Housing width		67 mm
Housing height		22 mm
Degree of protection		IP67
Connection		connector M12 x 1
Material		
Housing		PBT
Encapsulation compound		WEVO 403FL/300
Mass		approx. 200 g
Cable length		20 cm

Connection



Accessories

	IQD21-50P	Data carrier
	IQD21-50F-T10	Data carrier
	IQD21-58	Data carrier
	IQD22-C1	Data carrier
	IQD21-50PVC	Data carrier

Operation

Power supply:

The device must only be operated with a current source of limited power according EN 60950.