



Read/write station

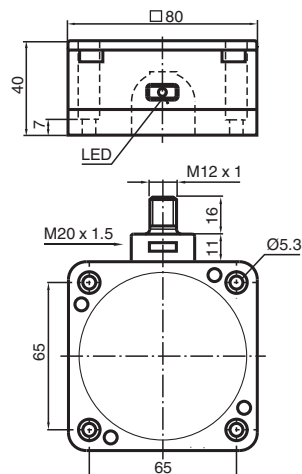
IQT1-FP-R4-V1

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Dual-LED for function display
- Connection via V1 (M12 x 1) plug connection
- Degree of protection IP67
- Connection via integrated RS-485 interface

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

Functional safety related parameters

MTTF _d	220 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

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

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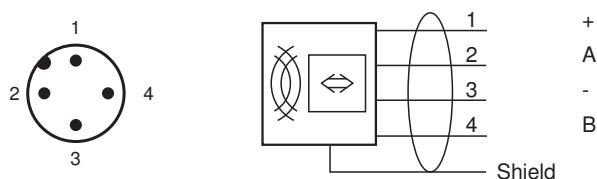
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PEPPERL+FUCHS

Technical Data

Rated operating voltage	U_e	10 ... 30 V DC , ripple 10 % _{SS} , limited power source (EN 60950)
Power consumption	P_0	≤ 1.3 W
Interface		
Physical		RS-485 point-to-point connection
Protocol		ASCII
Transfer rate		1200, 2400, 4800, 9600, 19200, 38400 (default) Bit/s
Cable length		≤ 3 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 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Degree of protection		IP67
Connection		connector M12 x 1
Material		
Housing		PBT
Base		diecast aluminum
Encapsulation compound		CY 221/HY 2966
Installation		
Distance between two heads		≥ 150 mm
Mass		approx. 380 g

Connection



Accessories

	IQC21-16 50pcs	Data carrier
	IQC21-30 25pcs	Data carrier
	IQC21-50F-T10	Data carrier

Accessories

	IQC21-58	Data carrier
	IQC22-22-T9 50pcs	Data carrier
	IQC33-20 50pcs	Data carrier
	IQC33-30 25pcs	Data carrier
	IQC33-50 25pcs	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

Parameterization

Power supply:

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

Preferences:

Interface transfer rate: 38400 bps

Port settings: 8 data bits, no parity, 1 stop bit, no handshake

Transpondertype: 20