

RFID read/write device

IQT1-18GM-R4-V1

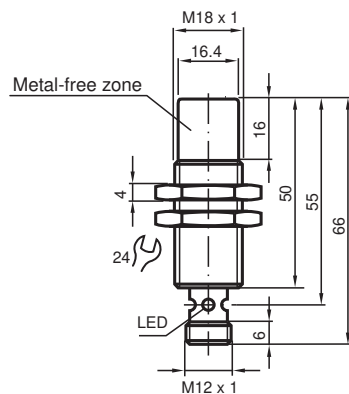


- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Suitable for FRAM transponder
- Read/write head with thread M18 x 1
- Connection via V1 (M12 x 1) plug connection
- Multihole-LED for function display
- Degree of protection IP67
- Connection via integrated RS-485 interface

HF RFID read/write device, ISO 15693



Dimensions



Technical Data

General specifications		
Operating frequency		13.56 MHz
Transfer rate		26 kBit/s
Sensing range		
Read distance		0 ... 50 mm
Write distance		0 ... 50 mm
Width		max. 45 mm
UL File Number		E87056
MTBF		375 a (Operation at +40 °C)
Indicators/operating means		
LED green/yellow		Multihole-LED: green: power on green flashing: read/write attempt performed yellow: data carrier detected
Electrical specifications		
Rated operating voltage	U _e	10 ... 30 V DC , ripple 10 % _{SS} , limited power source (EN 60950)
Power consumption	P ₀	≤ 1.2 W
Interface		

Release date: 2023-08-08 Date of issue: 2023-08-08 Filename: 265935_eng.pdf

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

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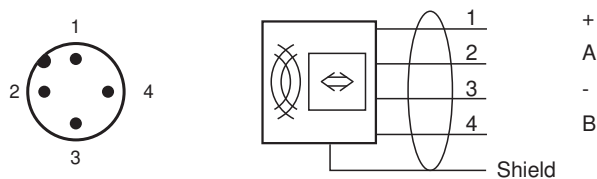
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Technical Data

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)		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		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Housing length		66 mm
Housing diameter		18 mm
Degree of protection		IP67
Connection		connector M12 x 1
Material		
Housing		PBT/stainless steel
Encapsulation compound		CY 221/HY 2966
Installation		non-flush
Distance between two heads		≥ 80 mm
Mass		approx. 40 g

Connection



Connection

The device may only be operated on a power source with limited power according to EN 60950.

Factory Setting

Interface transfer rate: 38400 bps
Port settings: 8 data bits, no parity, 1 stop bit, no handshake
Tag type: 20

Accessories

	IQC21-8 10pcs	Data carrier
	IQC21-10 10pcs	Data carrier
	IQC21-12.4 10pcs	Data carrier
	IQC21-50F-T10	Data carrier
	IQC21-58	Data carrier
	IQC22-22-T9 50pcs	Data carrier
	IQC33-20 50pcs	Data carrier
	V1-G-2M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	V1-G-5M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	V1-G-10M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	IQC33-50 25pcs	Data carrier
	IQC21-50 25pcs	Data carrier
	IQC33-30 25pcs	Data carrier
	IQC21-30 25pcs	Data carrier
	IQC21-16 50pcs	Data carrier
	IQC21-10	Data carrier

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