



### Model Number

**IQT1-FP-R4-V1**

HF R/W system, ISO 15693

### Features

- 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

### Accessories

#### IQC21-50P

Data carrier

#### IQC21-58

Data carrier

#### IQC21-F125 10pcs

Data carrier

#### IQC22-C1

Data carrier

#### IQC22-C4

Data carrier

#### IQC33-50

Data carrier

#### IQC21-50PVC

Data carrier

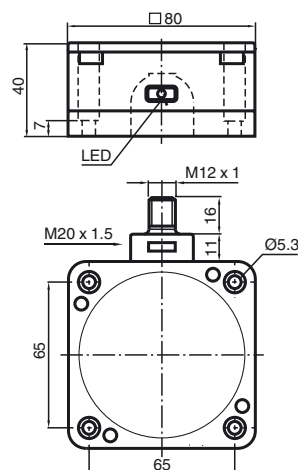
#### IQC21-F125

Data carrier

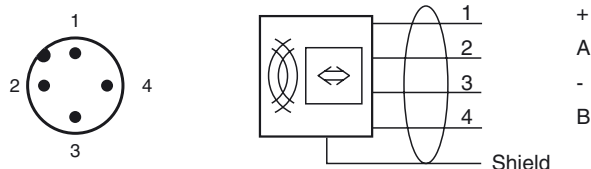
#### IQC33-20CT

Data carrier

## Dimensions



## Electrical connection



## 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

### 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

Rated operating voltage	$U_e$	10 ... 30 V DC, ripple 10 % <sub>SS</sub> , 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

### 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	M12 x 1 connector
Material	
Housing	PBT
Base	diecast aluminum
Encapsulation compound	CY 221/HY 2966
Installation	
Distance between two heads	≥ 150 mm
Mass	approx. 380 g

### 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 61000-6-2, EN 61000-6-4
Degree of protection	EN 60529:2000
RFID	ISO/IEC 15693-2:2006 , ISO/IEC 15693-3:2009 , ISO/IEC 18000-3

**Notes**

**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

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