**Model Number**
IQT-F116-R4M-V1
Read/write station

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

**Accessories**
- IQC21-30P Data carrier
- IQC21-50P Data carrier
- IQC21-50F-T10 Data carrier
- IQC21-58 Data carrier
- IQC22-C1 Data carrier
- IQC22-C4 Data carrier
- IQC22-C5 Data carrier
- IQC22-22-T9 Data carrier
- IQC22-22CT-T9 Data carrier

**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 operational voltage: $U_{\text{op}} = 17.5 ... 30.6 \text{ V DC}$, ripple 10 %SS, PELV
- Power consumption: $P_0 \leq 1.2 \text{ W}$

**Interface**
- Physical: RS 485 multidrop
- Protocol: ASCII
- Transfer rate: 38400 Bit/s
- Cable length: $\leq 3 \text{ m}$

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

**Mechanical specifications**
- Protection degree: IP67
- Connection: M12 x 1 connector
- Material: Housing - PBT
- Encapsulation compound: WEVO 403FL/300
- Mass: approx. 100 g
- Cable length: 20 cm

**Compliance with standards and directives**
- Standard conformity: Electromagnetic compatibility: EN 61000-6-2, EN 61000-6-4
- Protection degree: EN 60529

**Dimensions**

![Dimensions Diagram](image-url)

**Electrical connection**

![Electrical Connection Diagram](image-url)
Notes

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