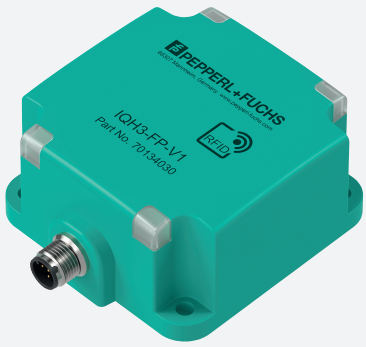


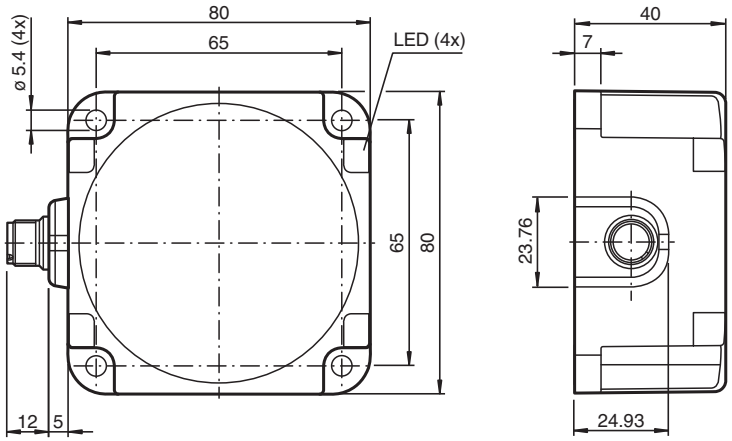
RFID read/write device

IQH3-FP-V1

- Range up to 300 mm
- Multi-tag reading capability for up to 20 tags
- Operating frequency 13.56 MHz
- Compliant with ISO 15693 and NFC type 5
- LED function indicator
- Degree of protection IP67 / IP69
- For RFID evaluation unit IDENT*Control*

HF RFID read/write device for RFID evaluation unit IDENTControl

Dimensions



Technical Data

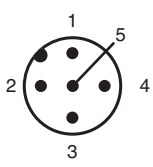
General specifications		
Operating frequency		13.56 MHz
Transfer rate		up to 53 kBit/s
Sensing range		
Read distance		0 ... 300 mm (see manual)
Write distance		0 ... 300 mm (see manual)
Width		max. 300 mm
Note		The achievable read and write distances depend on various factors. These include, in particular, the tag used, the configured transmit power, the installation conditions, and the ambient conditions, especially metallic materials in the surrounding area. The actual achievable read and write distances should therefore be verified under the respective operating conditions.
MTBF		97 a (Operation at +40 °C)
Indicators/operating means		
LED green		Power on
LED yellow		Read/write operation successful
LED red		status display
LED blue		Transmission mode
Electrical specifications		

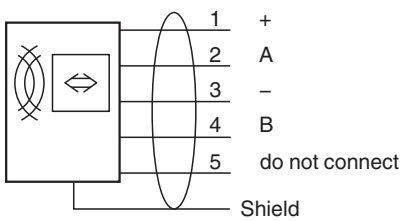
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Technical Data

Current consumption		≤ 700 mA
Supply		from the IDENTControl
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
Approvals and certificates		
UL approval		E468231 cULus Listed, Class 2 Power Source, Type 1 enclosure
FCC approval		Contains FCC ID IREIQR3FP
IC approval		Contains IC 7037A-IQR3FP
KCC approval		R-R-PF1-IQH3-FP-V1
MIC approval		AC-25117
ACMA approval		CERT-7285
WPC approval		ETA-SD-20230807834
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F) (Operation with nontransmission periods, adjustable) -25 ... 55 °C (-13 ... 131 °F) (Continuous transmission mode)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Degree of protection		IP67 / IP69
Connection		connector M12 x 1
Material		
Housing		PA 6.6
Encapsulation compound		WEVO 403FL/300
Installation		
Distance between two heads		Multiplex on: ≥ 100 mm Multiplex off: ≥ 750 mm
Mass		385 g
Dimensions		
Height		40 mm
Width		80 mm
Length		80 mm

Connection Assignment





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