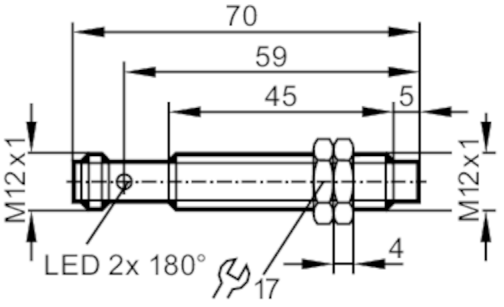
DTI411

RFID read/write head HF

DTRHF FNRWIOUS03



Application			
Application		detection of objects on transport equipment	
Radio approval for		USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore	
Note on radio approval		The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under “Downloads”.	
Electrical data			
Operating voltage	[V]	19.2...28.8 DC	
Current consumption	[mA]	< 50	
Protection class		III	
Operating frequency	[MHz]	13,56	
RFID standard		ISO 15693	
Detection zone			
Distance write/read head front	[mm]	90	
Distance write/read head side	[mm]	25	
Distance to the ID tag	[mm]	referred to 20 mm coin tag; I-CODE SLI	: ≤ 18
Interfaces			
Communication interface		IO-Link	
Transmission type		COM2 (38,4 kBaud)	
IO-Link revision		1.1	
SDCI standard		IEC 61131-9	
Profiles		Smart Sensor: Device Identification	
SIO mode		no	
Required master port type		A	
Supported DeviceIDs		**Type of operation**	**DeviceID**
		default	967
Operating conditions			
Ambient temperature	[°C]	-20...60	
Storage temperature	[°C]	-25...80	
Protection		IP 67; IP 69K	

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Tests / approvals			
Shock resistance		EN 60068-2-27	40 g 6 ms / repetitive
		EN 60068-2-27	50 g 11 ms / not repetitive
Vibration resistance		EN 60068-2-6	20 g 10...2000 Hz
MTTF	[years]	613.74	
UL approval		Ta	-20...60 °C
		Enclosure type	Type 1
		power supply	Limited Voltage/Current
		File number UL	E205959

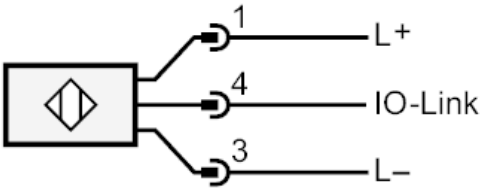
Mechanical data		
Weight	[g]	111.5
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 70
Thread designation		M12 x 1
Materials		housing: stainless steel; Protective cover: PPS

Displays / operating elements		
Display	operation	1 x LED, green
	tag communication	1 x LED, yellow

Accessories	
Items supplied	nut 2 x M12 x 1

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

Connection