DTI515

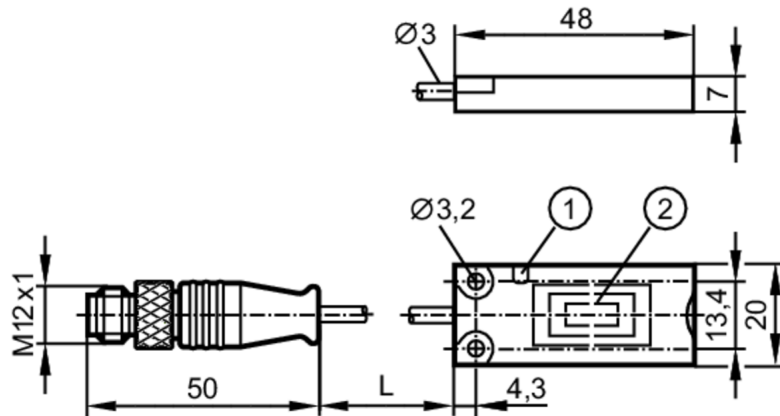### RFID read/write head HF

DTRHF   KQRWIOUS03

1   LED
2   sensing face

Application

Application	Detection of objects on transport equipment
Radio approval for	USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Malaysia
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]	18...30 DC
Current consumption	[mA]	< 60
Protection class		III
Operating frequency	[MHz]	13,56
RFID standard		ISO 15693

Monitoring range

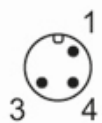| Distance write/read head front	[mm]	170		
Distance write/read head side	[mm]	160		
Distance to the ID tag	[mm]	referred to 30 mm coin tag and antenna installed on metal, I-CODE SLI	:	≤ 32

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 class		A
Supported DeviceIDs	Type of operation	DeviceID
	default	967

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Operating conditions			
Ambient temperature	[°C]	-20...60	
Storage temperature	[°C]	-25...80	
Protection		IP 67; IP 69K	

Tests / approvals			
EMC		DIN EN 301489-3	
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
Radio approval		EN 300 330 V2.1.1	
UL approval		Ta	-20...60 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E205959

Mechanical data			
Weight	[g]	77.5	
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	20 x 7 x 48	
Material		PBT; TPU (urethane); stainless steel	

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

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 1 m, PUR; 3 x 0.14 mm²

Electrical connection - plug

Connector: 1 x M12; coding: A

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Connection

L+ — 1

IO-Link — 4

L− — 3