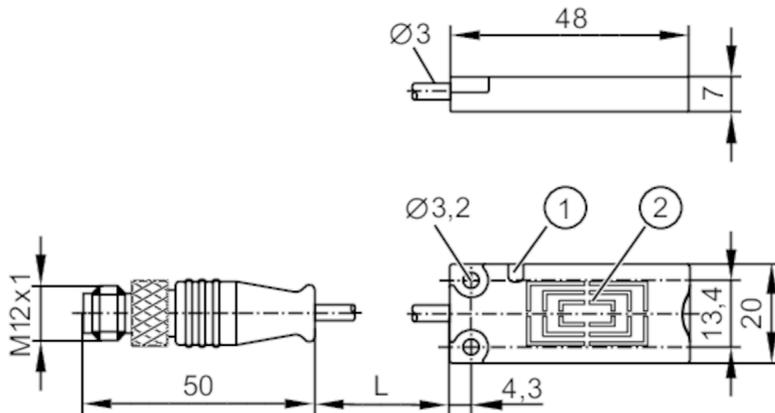# DTI515

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; Brazil; Mexico; New Zealand; South Korea; Vietnam; 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]	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 - SSP 0	Generic Profiled Sensor
	Function	Device identification
SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	22	
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		
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]		409
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