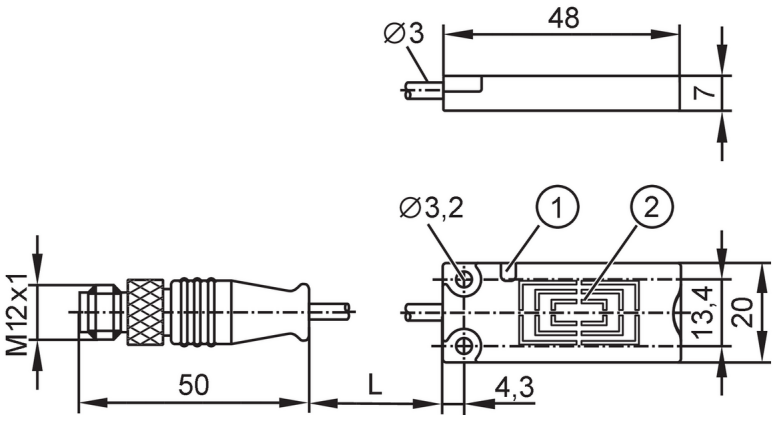
DTI515

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		
Detection zone				
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 type		A		
Min. process cycle time	[ms]	22		
Supported DeviceIDs		**Type of operation**	**DeviceID**	
		default	967	

DTI515

RFID read/write head HF

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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
Materials	PBT; TPU; stainless steel

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

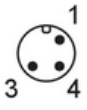
Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 1 m, PUR; 3 x 0.14 mm²

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 3



Connection

