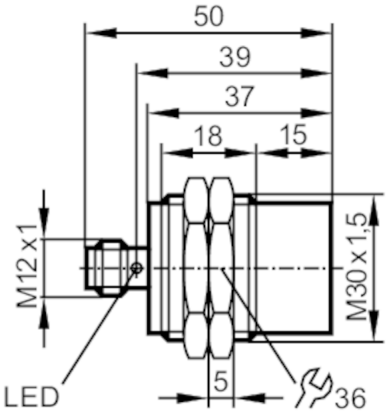
DTI431

RFID read/write head HF

DTRHF INRWIOUS03



Application				
Application		Detection of objects on transport equipment		
Radio approval for		USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; South Korea		
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		
Monitoring range				
Distance write/read head front	[mm]	160		
Distance write/read head side	[mm]	120		
Distance to the ID tag	[mm]	referred to 30 mm coin tag; I-CODE SLI	:	≤ 45
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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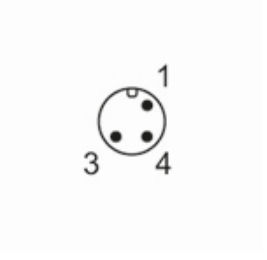
Operating conditions			
Ambient temperature	[°C]	-20...60	
Storage temperature	[°C]	-25...80	
Protection		IP 67; IP 69K	
Tests / approvals			
Shock resistance		EN 60068-2-27	40 g 6 ms / repetitive
		EN 60068-2-27	50 g 11 ms / not repetitive
Vibration resistance		EN 60068-2-6	20 g 10...2000 Hz
MTTF	[years]	559	
UL approval		Ta	-20...60 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E205959
Mechanical data			
Weight	[g]	178.5	
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 50	
Thread designation		M30 x 1.5	
Material		housing: stainless steel; Protective cover: PPS	
Displays / operating elements			
Display		Power	1 x LED, green
		tag communication	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2 x M30	
Remarks			
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



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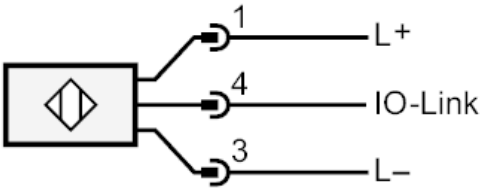
Connection