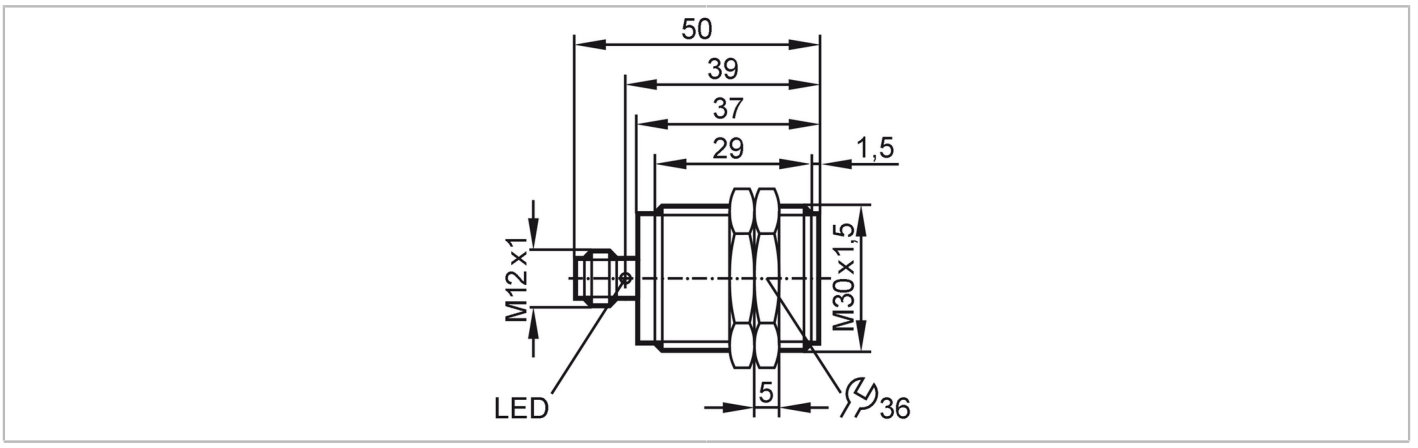
DTI430

RFID read/write head HF

DTRHF IBRWIOUS03



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]	100		
Distance write/read head side	[mm]	50		
Distance to the ID tag	[mm]	referred to 30 mm coin tag; I-CODE SLI	:	≤ 30
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
Operating conditions				
Ambient temperature	[°C]	-20...60		
Storage temperature	[°C]	-25...80		

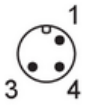
DTI430

RFID read/write head HF

DTRHF IBRWIOUS03

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]	556	
UL approval		Ta	-20...60 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E205959
Mechanical data			
Weight	[g]	185	
Housing		threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 50	
Thread designation		M30 x 1.5	
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		lock nuts: 2 x M30	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

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



Connection

