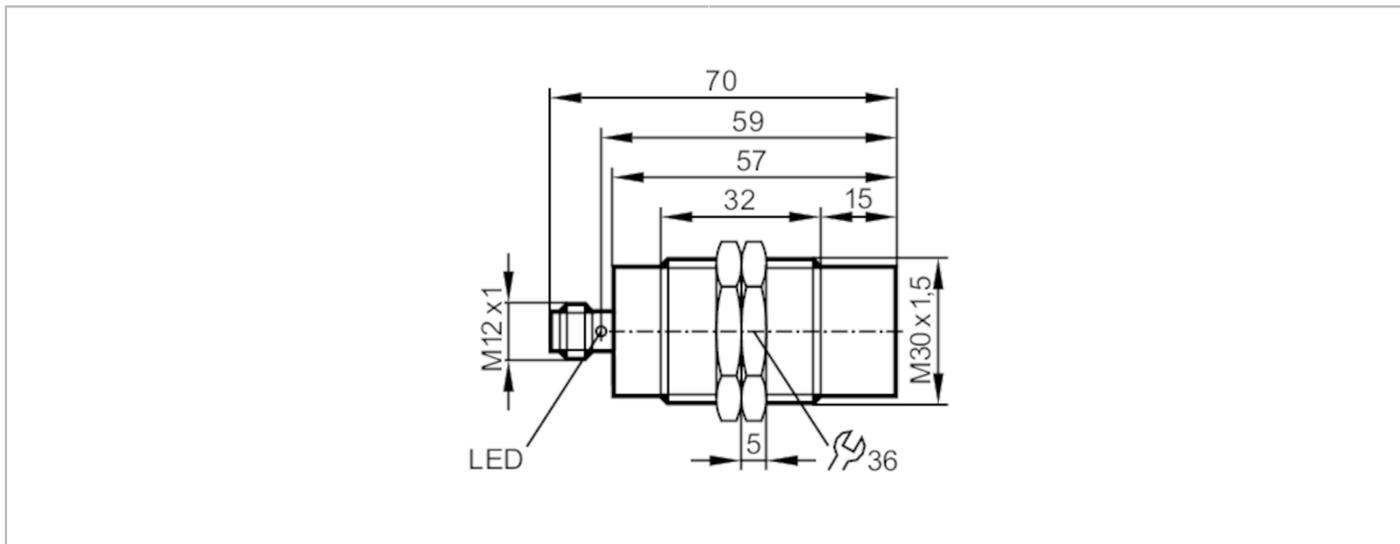# DTI435

RFID read/write head HF

DTRHF INRWIOUS03

Application

Application	Detection of objects on transport equipment
Radio approval for	USA; Canada; EU/RED; Australia; China; Singapore; Japan; Taiwan; India
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 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	
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

Operating conditions

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

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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
Electrical safety	EN 61010-2-201 : 2013 +AC:2013	
MTTF [years]	556	

Mechanical data	
Weight [g]	175.8
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M30 x 1.5 / L = 70
Thread designation	M30 x 1.5
Material	housing: stainless steel (1.4301 / 304); 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

Connection