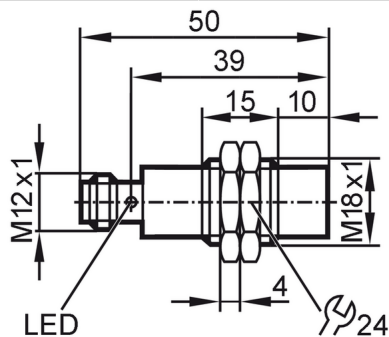


DTI421



RFID read/write head HF

DTRHF GNRWIOUS03



Application

Application	Detection of objects on transport equipment
Radio approval for	USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; South Africa; Mexico; Malaysia; New Zealand; South Korea; Vietnam
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]	180
Distance write/read head side	[mm]	90
Distance to the ID tag	[mm]	referred to 30 mm coin tag; I-CODE SLI : ≤ 40

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

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
MTTF	[years]	556

Mechanical data	
Weight	[g] 107.25
Housing	Threaded type
Mounting	non-flush mountable
Dimensions	[mm] M18 x 1 / L = 50
Thread designation	M18 x 1
Material	housing: stainless steel; Protective cover: PPS; LED window: PEI

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

Accessories	
Items supplied	lock nuts: 2 x M18

Remarks	
Pack quantity	1 pcs.

Electrical connection

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



Connection

