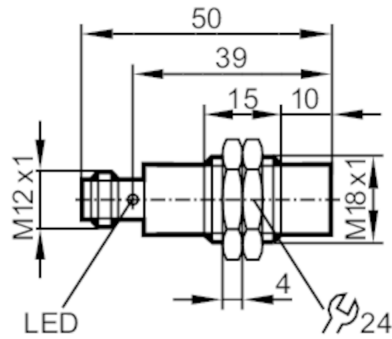


DTI421



RFID read/write head HF

DTRHF GNRWIOUS03



Application

Application	detection of objects on transport equipment
Radio approval for	Europe; USA; Canada; Japan; Australia; China; Taiwan; India; Singapore

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]	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
IO-Link device ID	967 d / 00 03 C7 h
Profiles	Smart Sensor: Device Identification
SIO mode	no
Required master port type	A

Operating conditions

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

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Tests / approvals		
EMC	DIN EN 301489-3	
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
Radio approval	EN 300 330 V2.1.1	
UL approval	Ta	-20...60 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E205959

Mechanical data		
Weight [g]	120.5	
Housing	cylindrical	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 50	
Thread designation	M18 x 1	
Materials	housing: stainless steel; Protective cover: PPS; plug insert: PEI	

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

Remarks		
Remarks	only for static applications	
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12



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Connection

