

DTI424



RFID read/write head HF

DTRHF GBRWIOUS03



Application

Application	Detection of objects on transport equipment
Radio approval for	USA; Canada; EU/RED; Australia; China; Singapore; Japan; Taiwan
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	≤ 16
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Interfaces

Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor: 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	

Mechanical data

Weight	[g]	108.75
Housing		tubular
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 70
Thread designation		M18 x 1
Material		housing: stainless steel (1.4301 / 304); Protective cover: PPS; plug insert: PEI

Displays / operating elements

Display	Power	1 x LED, green
	tag communication	1 x LED, yellow

Accessories

Items supplied	Nut 2 x M18 x 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



Connection

