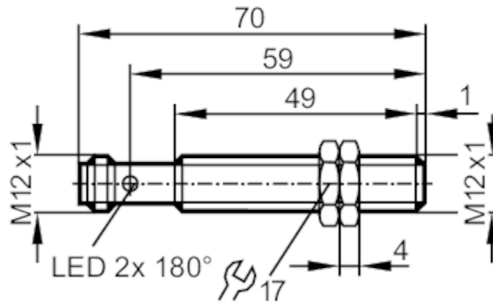


RFID read/write head HF

DTRHF FBRWIOUS03



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]	40
Distance write/read head side [mm]	20
Distance to the ID tag [mm]	referred to 20 mm coin tag; I-CODE SLI : ≤ 12

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 type	A				
Supported DeviceIDs	<table border="1"> <thead> <tr> <th>Type of operation</th><th>DeviceID</th></tr> </thead> <tbody> <tr> <td>default</td><td>967</td></tr> </tbody> </table>	Type of operation	DeviceID	default	967
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]	610.46	
UL approval	Ta	-20...60 °C
	Enclosure type	Type 1
	power supply	Limited Voltage/Current
	File number UL	E205959

Mechanical data		
Weight [g]	111	
Housing	cylindrical	
Mounting	flush mountable	
Dimensions [mm]	M12 x 1 / L = 70	
Thread designation	M12 x 1	
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	nut 2 x M12 x 1	

Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection

