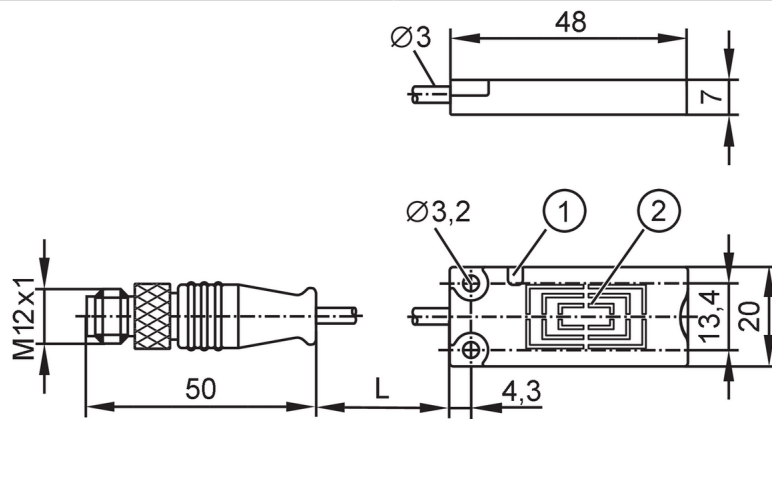




RFID read/write head HF

DTRHF KQRWIOUS03



- | | |
|---|--------------|
| 1 | LED |
| 2 | Sensing face |



Application

Application	detection of objects on transport equipment
Radio approval for	EU/RED; Great Britain; Canada; USA; China; 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]	18...30 DC
Current consumption	[mA]	280
Protection class		III
Operating frequency	[MHz]	13,56
RFID standard		ISO 15693; ISO 14443A

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 2
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Outputs

Output signal	switching signal; IO-Link
Electrical design	PNP/NPN; (configurable)
Number of digital outputs	2
Output function	normally open / normally closed
Max. voltage drop switching output DC [V]	2
Max. current load per output [mA]	100
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Distance to the ID tag	[mm]	read	:	≤ 45
		static		
		referred to 30 mm coin tag; I-CODE SLI		



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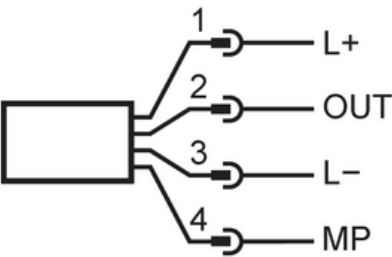
Interfaces		
Communication interface	IO-Link	
Transmission type	COM3 (230,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	BLOB	Binary Large Object transfer
	FWUP	Firmware Update for IO-Link Devices
	Common - I&D	Identification and Diagnosis
	Function	Locator
	Function	ProductURI
SIO mode	yes	
Required master port type	A	
Min. process cycle time	4	
Supported DeviceIDs	Type of operation	DeviceID
	default	1697
Operating conditions		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-25...80
Protection	IP 67; IP 69K	
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]	272
Mechanical data		
Weight	[g]	72.55
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	20 x 7 x 48
Materials	housing: PBT; Cable: TPU; Fixing element: stainless steel (316L / 1.4404)	
Displays / operating elements		
Display	Operating voltage	1 LED, green
	ID tag	1 LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 1 m, PUR; 3 x 0.14 mm²		
Connector: 1 x M12; coding: A; Contacts: 4		
		



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Connection



1	L+	
2	OUT	DO2 (NO/NC)
3	L-	
4	MP	DO1 (NO/NC), IO-Link

DO: digital output; MP: multi-function connection