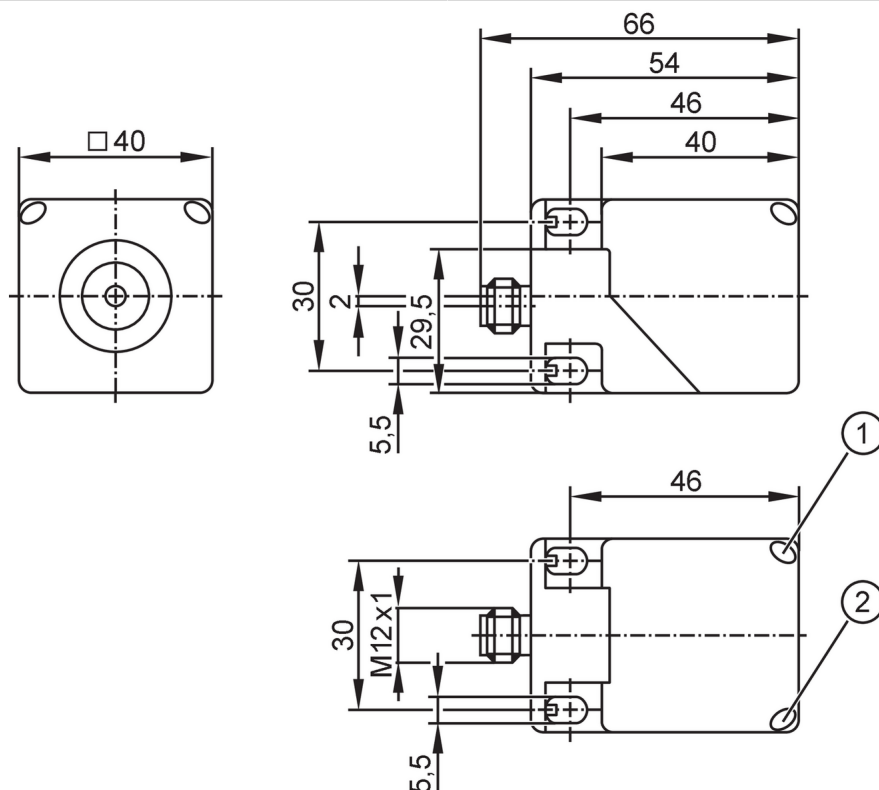




RFID read/write head HF

DTRHF MCRWIOUS03



- 1 LED ID tag
2 LED Operating voltage



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]	80...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 / closed
Max. voltage drop switching output DC [V]	2
Max. current load per output [mA]	100



RFID read/write head HF

DTRHF MCRWIOUS03

Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Distance to the ID tag	[mm]	Reading ≤ 75	
		static	
		referred to 30 mm coin tag; I-CODE SLI	
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 class		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]	242	
Mechanical data			
Weight	[g]	171.75	
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 40 x 54	
Material		housing: PA; metal parts: brass white bronze coated	
Displays / operating elements			
Display	Operating voltage	1 LED, green/red	
	ID tag	1 LED, yellow	
Remarks			
Pack quantity		1 pcs.	



RFID read/write head HF

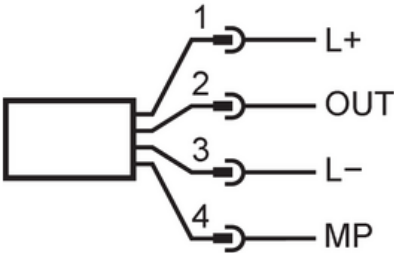
DTRHF MCRWIOUS03

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection



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

DO: digital output; MP: multi-function connection