ANT410

RFID read/write head HF

DTRHF   FBRWIDUS03
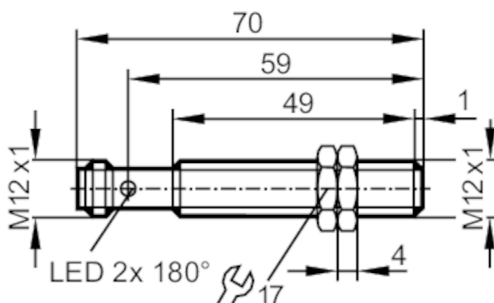
Application	
Application	Detection of objects on transport equipment
Radio approval for	USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; Ukraine
Note on radio approval	The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under "Downloads".

Electrical data		
Operating voltage	[V]	19.2...28.8 DC; (Supply only via the DTE10x evaluation unit (to EN 60950-1))
Current consumption	[mA]	< 50
Protection class		III
Operating frequency	[MHz]	13,56
RFID standard		ISO 15693

Monitoring range				
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
		only for static applications		

Interfaces	
Communication interface	DATA / DTE10x

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]	610.46

Mechanical data		
Weight	[g]	83.75
Housing		tubular
Mounting		flush mountable

ANT410

RFID read/write head HF

Dimensions	[mm]	M12 x 1 / L = 70
Thread designation		M12 x 1
Material		housing: stainless steel; Protective cover: PPS

Displays / operating elements

Display	Power	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