ANT425

RFID read/write head HF

DTRHF   GNRWIDUS03
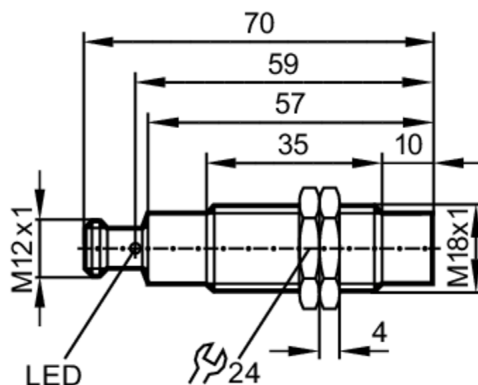
Application	
Application	detection of objects on transport equipment
Radio approval for	USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; Ukraine
Note on radio approval	The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under "Downloads".

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

Detection zone		
Distance write/read head front	[mm]	180
Distance write/read head side	[mm]	90
Distance to the ID tag	[mm]	≤ 40

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	50 g 11 ms / 40 g (6 ms, continuous)
Vibration resistance	EN 60068-2-6	20 g 10...2000 Hz

Mechanical data		
Weight	[g]	132
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 70

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Thread designation	M18 x 1
Materials	housing: stainless steel; Protective cover: PPS; LED window: PEI

Displays / operating elements		
Display	operation	1 x LED, green
	tag communication	1 x LED, yellow

Accessories	
Items supplied	nut 2 x M18 x 1

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

Connection