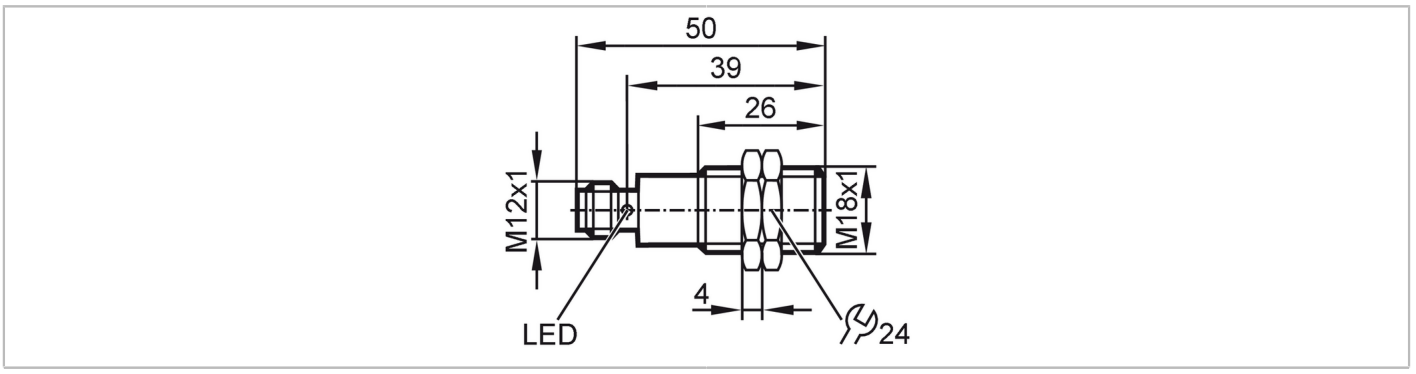
ANT420

RFID read/write head HF

DTRHF GBRWIDUS03



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]	100	
Distance write/read head side	[mm]	60	
Distance to the ID tag	[mm]	referred to 30 mm coin tag; I-CODE SLI	: ≤ 16
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
MTTF	[years]	510	
Mechanical data			
Weight	[g]	109.6	
Housing		threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M18 x 1 / L = 50	
Thread designation		M18 x 1	

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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	lock nuts: 2 x M18	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; coding: A; Contacts: 3



Connection

