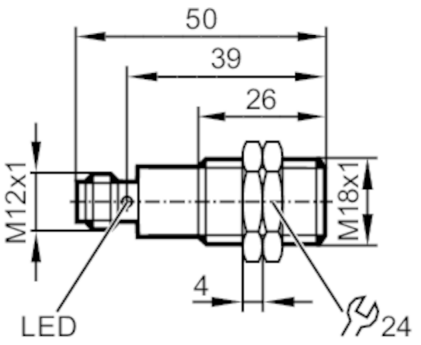
ANT420

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				
EMC		DIN EN 61000-6-2		
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	
Radio approval		EN 302 291-2 V1.1.1 / EN 300 330-2 V1.5.1		
MTTF	[years]	509.62		

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Mechanical data		
Weight [g]	125.5	
Housing	cylindrical	
Mounting	flush mountable	
Dimensions [mm]	M18 x 1 / L = 50	
Thread designation	M18 x 1	
Materials	housing: stainless steel; Protective cover: PPS; LED window: PEI	

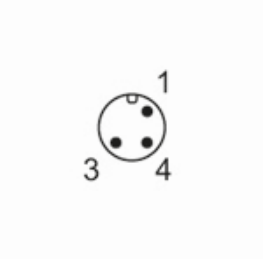
Displays / operating elements		
Display	operation	1 x LED, green
	tag communication	1 x LED, yellow

Accessories	
Items supplied	nut 2 x M18 x 1

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

