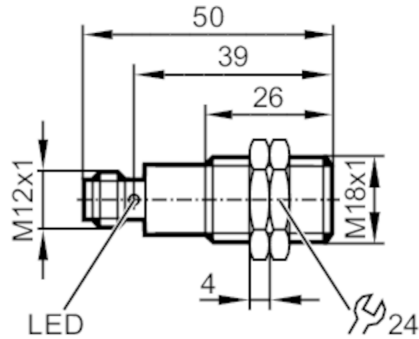


# ANT420



## RFID read/write head HF

DTRHF GBRWIDUS03



### Application

Application	detection of objects on transport equipment
Radio approval for	Europe; China; Singapore; Ukraine

### 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
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### 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; connector housing: PEI

### Displays / operating elements

Display	operation	1 x LED, green
	tag communication	1 x LED, yellow

### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Connector: 1 x M12



### Connection

