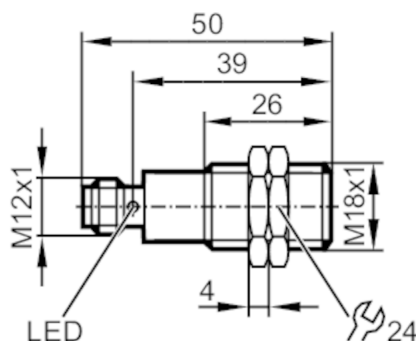


# ANT420



## 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]		509.62

### Mechanical data

Weight [g]	109.6
Housing	cylindrical

# ANT420



## RFID read/write head HF

DTRHF GBRWIDUS03

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

