

1) Sensing surface, 2) LED (Tag present), 3) LED (Power), 4) LED (Status), 5) LED (RF active), 6) Tightening torque, 7) Button (Config)



## Basic features

<b>Antenna type</b>	Patch
<b>Approval/Conformity</b>	FCC Part 15 IC (Radio) cULus WEEE IFT
<b>Principle of operation</b>	Read/write head
<b>Radio license</b>	USA Canada Mexico
<b>Standards</b>	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

## Display/Operation

<b>Function indicator</b>	Status, LED red RF active, LED blue Power, LED green Tag Present, LED yellow
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## Electrical connection

<b>Connection</b>	M12x1-Male, 4-pin, A-coded
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## Electrical data

<b>Current consumption max. at 24 V DC</b>	200 mA
<b>Front-to-back ratio</b>	typ.10 dB
<b>Multi-Tag capable</b>	yes
<b>Nominal voltage</b>	24 VDC
<b>Operating voltage <math>U_b</math></b>	24 V DC LPS Class 2
<b>Output power adjustable</b>	7 dBm...26 dBm (5 mW...400 mW)
<b>Permissible radiated power</b>	≤ 0.5 W EIRP
<b>Polarization</b>	circular
<b>Residual ripple max.</b>	10 %
<b>Working frequency</b>	902...928 MHz

## Environmental conditions

<b>Ambient temperature</b>	-20...55 °C
<b>Continuous shock load</b>	yes
<b>EN 60068-2-27, Shock</b>	yes
<b>EN 60068-2-32 Free fall</b>	yes
<b>EN 60068-2-6, Vibration</b>	yes
<b>IP rating</b>	IP54
<b>Storage temperature</b>	-25...70 °C

## Functional safety

<b>MTTF (40 °C)</b>	110 a
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## Interface

<b>Interface</b>	RS485
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UHF (860...960 MHz)  
**BIS VU-320-C1-S4**  
Order Code: BIS015Y

# BALLUFF

## Material

Housing material	PC, coated ABS, Zinc, Die casting, (Connector)
Housing material, surface protection	coated

## Mechanical data

Application weight	850.00 g
Dimension	130 x 50.5 x 130 mm

## Range/Distance

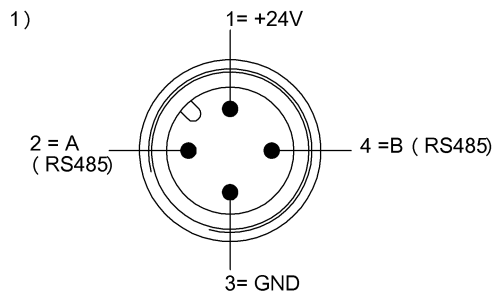
Axial ratio	typ. 1 dB
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## Remarks

For use only in USA, Canada and Mexico.  
When installing, the technical standards and regulations of the corresponding countries must be observed.  
Values are under rated conditions unless otherwise specified.  
For more information about MTTF and B10d see MTTF / B10d Certificate

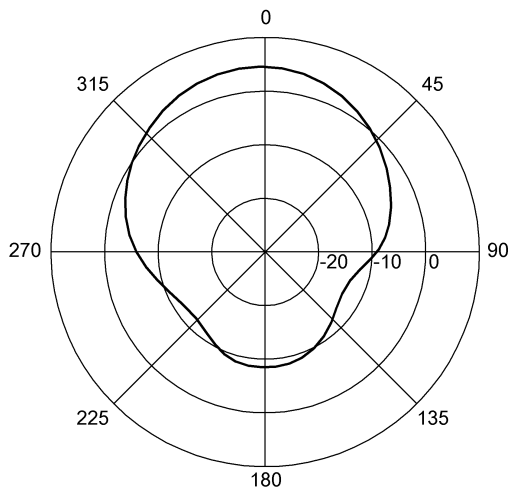
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings

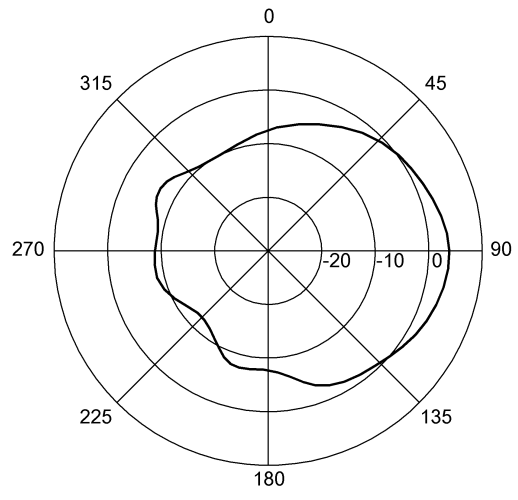


1) View towards connector

## Technical Drawings



1)



2)

- 1) Radiation diagram horizontal
- 2) Radiation diagram vertical