

1) LED 4x on circumference, 2) Power/Status, 3) Tightening torque, 4) Sensing surface



Basic features

Antenna type	Planar
Approval/Conformity	CE UKCA WEEE Ecolab cULus
Principle of operation	Read/write head
Radio license	Europe (CE) United Kingdom (UKCA)
Standards	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

Electrical data

Current consumption max. at 24 V DC	200 mA
Front-to-back ratio	typ. 3 dB
Multi-Tag capable	yes
Nominal voltage	24 VDC
Operating voltage Ub	24 V DC LPS Class 2
Output power adjustable	-9 dBm...+16 dBm (0.13 mW...40 mW)
Polarization	circular
Residual ripple max.	10 %
Working frequency	865...868 MHz

Display/Operation

Function indicator	Status, LED red RF active, LED blue Power, LED green Tag Present, LED yellow
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Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
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Environmental conditions

Ambient temperature	0...70 °C
Area of operation	Indoor
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
IP rating	IP68, IP69K, with connector
Storage temperature	-20...85 °C

Functional safety

MTTF (40 °C)	101 a
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Interface

Interface 01	RS485
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UHF (860...930 MHz)
BIS VU-330-C0-S4
Order Code: BIS01J7

BALLUFF

Material

Housing material 1.4404 stainless steel
Material sensing surface PBT, GF30

Mechanical data

Application weight 65.00 g
Dimension $\varnothing 30 \times 98$ mm
Installation metal-free (clear zone)
Size M30x1.5

Range/Distance

Axial ratio typ. 1 dB

Remarks

Use permitted only in EU member countries.

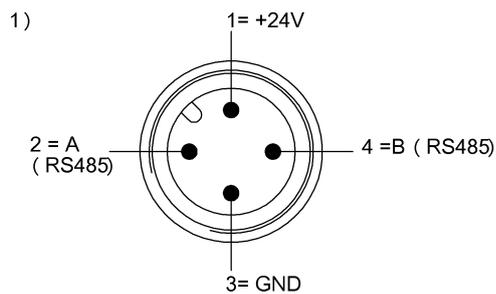
When installing, the technical standards and regulations of the corresponding countries must be observed.

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