

1) Sensing surface, 2) Tightening torque, 3) Clear zone



Basic features

Antenna type	round
Approval/Conformity	CE UKCA WEEE
Principle of operation	Read/write head

Display/Operation

Function indicator	Operating, LED yellow flashing CP (Code tag present), LED yellow Power (ON), LED green
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Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	4.8 mm ±0.1 mm
Cable length L	5 m
Cable, bending cycles min.	1 mil.
Connection type	5 m

Environmental conditions

Altitude max.	2000 m
Ambient temperature	0...70 °C
Area of operation	Indoor
Contamination scale	2
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	IP67
Relative humidity	0...90 %, non-condensing
Storage temperature	-20...85 °C

Functional Characteristics

Supported data carrier types	DIN ISO 15693 DIN ISO 15693 (High Memory) LF 70/455 kHz
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Functional safety

MTTF (40 °C)	545.9 a
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Material

Housing material	Brass, nickel-plated
Housing material, surface protection	nickel-plated

Mechanical data

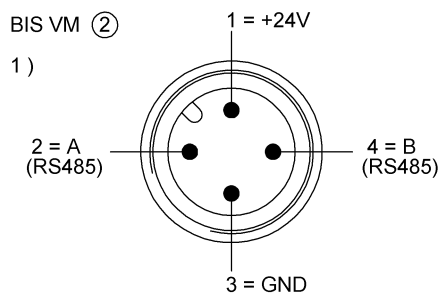
Application weight	200 g
Dimension	Ø 14.5 x 84.5 mm
Installation	metal-free (clear zone)

Remarks

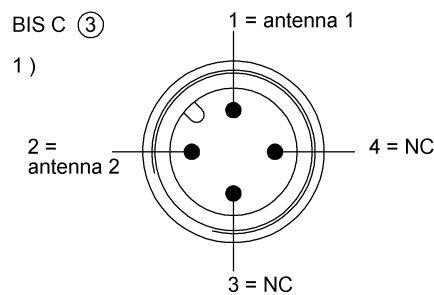
Only together with BIS V-61xx
 For basic equipment: Accessories see www.balluff.com
 Values are under rated conditions unless otherwise specified.
 This device is intended to be supplied by a UL-listed or CSA-certified power supply unit with "Class 2" or LPS power source.
 The devices must be installed permanently.
 1. Determine a suitable mounting position.
 2. Fasten the device with suitable mounting material.
 The device can be cleaned with a slightly damp cloth.
 Regularly check the function of the device and all associated components through visual and functional tests.
 - Shut down the device in the event of malfunctions.
 - Secure the system against unauthorized use.
 - Check fastening and tighten if necessary.
 The product is maintenance-free.
 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



1) View towards connector