

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



Basic features

Antenna type	round
Approval/Conformity	CE FCC Part 15 IC (Radio) cULus Ecolab WEEE UKCA MIC
Principle of operation	Read/write head

Display/Operation

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

Connection	M12x1-Male, 4-pin, A-coded
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Electrical data

Current consumption max. at 24 V DC	150 mA
Current consumption max. at 24 V DC without load	25 mA
Operating voltage U_b	18...30 VDC Supports only LPS/ Class 2
Residual ripple max.	1.3 Vpp

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	IP68, IP69K
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)
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Functional safety

MTTF (40 °C)	578.4 a
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Material

Housing material	1.4404 stainless steel
Material sensing surface	PBT, GF30

HF (13.56 MHz)
BIS VM-330-401-S4-SA3
Order Code: BIS01FC

BALLUFF

Mechanical data

Application weight 17.00 g
Dimension $\varnothing 12 \times 65$ mm

Installation

Size

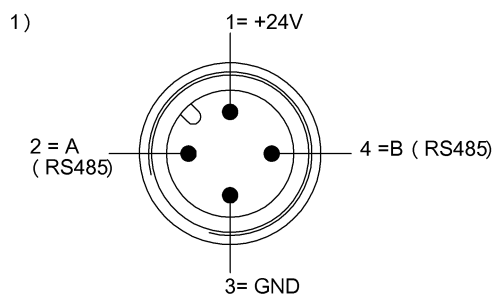
metal-free (clear zone)
on metal
flush in metal
M12x1

Remarks

Only together with BIS V-61xx
For basic equipment: Accessories see www.balluff.com
Use included nuts for installation.
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