



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
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



Mechanical data

Application weight 17.00 g
Dimension Ø 12 x 65 mm

Installation

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

