



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 |
|---------------------------|--|

Electrical connection

| | |
|-------------------|----------------------------|
| Connection | M12x1-Male, 4-pin, A-coded |
|-------------------|----------------------------|

Electrical data

| | |
|---|---|
| Current consumption max. at 24 V DC | 150 mA |
| Current consumption max. at 24 V DC without load | 40 mA |
| Operating voltage Ub | 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) |
|-------------------------------------|---|

Functional safety

| | |
|---------------------|-------|
| MTTF (40 °C) | 359 a |
|---------------------|-------|

Material

| | |
|---------------------------------|------------------------|
| Housing material | 1.4404 stainless steel |
| Material sensing surface | PBT, GF30 |

HF (13.56 MHz)
BIS VM-332-401-S4-SA3
Order Code: BIS01FE



Mechanical data

Application weight 42.00 g
Dimension Ø 18 x 65 mm

Installation

metal-free (clear zone)
on metal
flush in metal
Size M18x1

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

