



1) Sensing surface, 2) Clear zone



Basic features

Antenna type	round
Approval/Conformity	CE UKCA cULus WEEE
EN 55011	Size 1, Cl. A
Principle of operation	Data carrier

Electrical data

Memory organization	32 × 8 bits
Programming cycles	up to 70 °C: 500,000 up to 30 °C: 1,000,000
Programming time	for 1x8 bits: 0.3s for 32x8 bits: 0.6s
Read cycles	Unlimited
Read time	for 32x8 bits: 0.19 s

Environmental conditions

Ambient temperature	-30...70 °C
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
Storage temperature	-30...85 °C

Functional Characteristics

Memory type	EEPROM
User data, read/write	1023 Byte

Functional safety

MTTF (40 °C)	740 a
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Material

Housing material	PBT
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Mechanical data

Application weight	14.00 g
Dimension	Ø 30 x 16 mm
Installation	metal-free (clear zone)
Size	M30x1.5

LF (70/455 kHz)
BIS C-117-05/L
Order Code: BIS000N

BALLUFF

Remarks

For installation in metal: Observe clear zone.
On the last page only 31x8 bits are usable.
IP68 tested according to BWN Pr 36
Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.
Time specification includes data check.
Values are under rated conditions unless otherwise specified.
For installation requirements see corresponding read/write head.
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.