



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



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	64 × 8 bits
Programming cycles	up to 70 °C: 500,000 up to 30 °C: 1,000,000
Programming time	for 64x8 bits: 1.1s for 1x8 bits: 0.45s
Read cycles	Unlimited
Read time	for 64x8 bits: 0.33 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	2047 Byte

Functional safety

MTTF (40 °C)	740 a
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Material

Housing material	PA 6.6, GF30, PU potted
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Mechanical data

Application weight	9.00 g
Dimension	25 x 11 x 25 mm
Installation	metal-free (clear zone)

LF (70/455 kHz)
BIS C-134-11/L
Order Code: BIS0021

BALLUFF

Remarks

Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.

Values are under rated conditions unless otherwise specified.

For installation requirements see corresponding read/write head.

Time specification includes data check.

IP68 tested according to BWN Pr 36

On the last page only 63x8 bits are usable.

Read/write distance see BIS C-130 reduced by 1 mm.

For installation in metal: Observe clear zone.

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.