



1) Sensing surface, 2) Clear zone, 3) see corresponding R/W head



Basic features

Antenna type	round
Approval/Conformity	CE UKCA WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier
Radio license	Europe (CE) United Kingdom (UKCA)

Electrical data

Data retention time/years	Unlimited
Read cycles	Unlimited
Read time	for 40 bits: 0.235s

Environmental conditions

Ambient temperature	-25...85 °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, 1 m, 24 h, 20 °C
Storage temperature temporary	-40...130 °C 1x1000 h

Functional Characteristics

Memory type	PROM
UID serial number, read-only	5 Byte

Material

Housing material	PA 6
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Mechanical data

Application weight	0.80 g
Dimension	Ø 12.4 x 2 mm
Installation	metal-free (clear zone) on metal flush in metal

LF (125 kHz)
BIS L-203-03/L
Order Code: BIS003W

BALLUFF

Remarks

For installation in metal: Observe clear zone.
Torsional, bending and impact loading is not permitted.
Time specification includes data check.
For installation requirements see corresponding read/write head.
Only when used together with the appropriate read/write head.
Values are under rated conditions unless otherwise specified.