



1) Sensing surface



Basic features

Antenna type	round
Approval/Conformity	CE WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B

Electrical data

Data retention time/years	≥ 10
Memory organization	124 × 8 bytes
Programming cycles	up to 50 °C: 100,000
Programming time	for 16 bytes: 0.1s
Read cycles	Unlimited
Read time	User ID for 8 bytes: 0.02 s for 16 bytes: 0.03 s

Environmental conditions

Ambient temperature	-25...50 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
Protection degree	IP65
Storage temperature	-30...60 °C

Functional Characteristics

Memory type	EEPROM
Supported data carrier types	DIN ISO 15693
UID serial number, read-only	8 Byte
User data, read/write	992 Byte

Material

Housing material	Epoxy-resin/fiberglass PVC
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Mechanical data

Application weight	7.00 g
Dimension	25 x 3 x 65 mm
Installation	metal-free (clear zone)

HF (13.56 MHz)
BIS M-115-07/A
Order Code: BIS01AR

BALLUFF

Remarks

Values are under rated conditions unless otherwise specified.

Only when used together with the appropriate read/write head.

For installation requirements see corresponding read/write head.

Time specification includes data check.

Torsional, bending and impact loading is not permitted.

Installation type on flat steel

The data carrier comes with an adhesive film. For specifications about the adhesive properties, please refer to the printed specifications available from the manufacturer.