



1) Sensing surface, 2) Clear zone



Basic features

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

Electrical data

Data retention time/years	≥ 10 at 55 °C
Memory organization	256 × 32 bytes
Programming cycles	≥ 10.000.000.000
Programming time	for 16 bytes: 0.060s
Read cycles	Unlimited
Read time	for 16 bytes: 0.03 s User ID for 8 bytes: 0.02 s

Environmental conditions

Ambient temperature	-25...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
Protection degree	IP67
Storage temperature	-25...85 °C

Functional Characteristics

Memory type	FRAM
Supported data carrier types	DIN ISO 15693
UID serial number, read-only	8 Byte
User data, read/write	8192 Byte

Material

Housing material	PBT, GF
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Mechanical data

Application weight	27.00 g
Dimension	32 x 11 x 52 mm
Installation	metal-free (clear zone) on metal

HF (13.56 MHz)
BIS M-108-20/A
Order Code: **BIS0111**

BALLUFF

Remarks

For installation in metal: Observe clear zone.
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.
Impact loading not permitted.