



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



Basic features

Antenna type	round
Approval/Conformity	CE UKCA WEEE
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier

Electrical data

Data retention time/years	≥ 10
Memory organization	47 × 16 bits
Programming cycles	≥ 100.000
Programming time	for 16 bytes: 0.040s
Read cycles	Unlimited
Read time	for 16 bytes: 0.02 s User ID for 4 bytes: 0.02s

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
IP rating	IP67
Storage temperature	-25...85 °C

Functional Characteristics

Memory type	EEPROM
Supported data carrier types	DIN ISO 14443
UID serial number, read-only	4 Byte
User data, read/write	752 Byte

Material

Housing material	Epoxy-resin/fiberglass, GF
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Mechanical data

Application weight	1.50 g
Dimension	Ø 11.98 x 6 mm
Installation	metal-free (clear zone) on metal flush in metal

HF (13.56 MHz)
BIS M-105-01/A
Order Code: BIS0040

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.