



1) Sensing surface, 2) Clear zone, 3) see corresponding R/W head, 4) Tightening torque



Basic features

Antenna type	round
Approval/Conformity	CE WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier

Electrical data

Data retention time/years	≥ 10
Memory organization	28 × 4 bits
Programming cycles	up to 70 °C: 100,000
Programming time	for 16 bytes: 0.1s
Read cycles	Unlimited
Read time	for 16 bytes: 0.03 s User ID for 8 bytes: 0.02 s

Environmental conditions

Ambient temperature	-20...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
Storage temperature	-40...85 °C

Functional Characteristics

Memory type	EEPROM
Supported data carrier types	DIN ISO 15693
UID serial number, read-only	8 Byte
User data, read/write	112 Byte

Material

Material	PCB
-----------------	-----

HF (13.56 MHz)
BIS M-181-03/L
Order Code: BIS00WW

BALLUFF

Mechanical data

Application weight 0.50 g

Dimension

Ø 22 x 1.5 mm

Installation

metal-free (clear zone)

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.