



1) Sensing surface, 2) Clear zone, 3) Tightening torque max. 2.5 Nm



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

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	-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
IP rating per DIN 40050	IP68 IPx9K
Storage temperature	-25...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

Housing material	Epoxy-resin/fiberglass
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Mechanical data

Application weight	6.00 g
Diameter tolerance	±0.2 mm
Dimension	Ø 26 x 6 mm
Installation	metal-free (clear zone)

HF (13.56 MHz)
BIS M-128-03/L
Order Code: BIS0143

BALLUFF

Remarks

*When attaching observe the different coefficients of expansion between screws, data carrier and mounting surface.
Order accessories separately.
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.