



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



Basic features

Antenna type	Rectangular
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	≥ 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	-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
IP rating	IP68
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

Functional safety

MTTF (40 °C)	1489 a
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Material

Housing material	ABS, black
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Mechanical data

Application weight	47.00 g
Dimension	52 x 11.5 x 128 mm
Installation	metal-free (clear zone)

HF (13.56 MHz)
BIS M-136-03/L
Order Code: BIS00W9

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.
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.