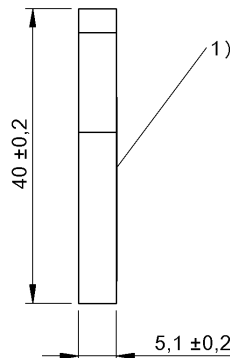
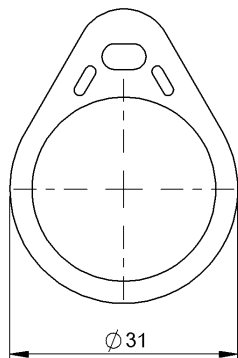


HF (13.56 MHz)
BIS M-104-01/L-BU
Order Code: BIS019F

BALLUFF



1) Sensing surface



Basic features

Antenna type	round
Approval/Conformity	CE WEEE EAC
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	47 × 16 bytes
Programming cycles	≥ 100.000
Read cycles	Unlimited
Read time	User ID for 4 bytes: 0.02s for 16 bytes: 0.02 s

Remarks

Torsional, bending and impact loading is not permitted.
 Values are under rated conditions unless otherwise specified.
 Only when used together with the appropriate read/write head.
 For installation requirements see corresponding read/write head.
 Time specification includes data check.

Environmental conditions

Ambient temperature	-25...55 °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, 1 m, 30 min
Storage temperature	-25...75 °C

Functional Characteristics

Memory type	EEPROM
UID serial number, read-only	4 Byte
User data, read/write	752 Byte

Material

Housing material	ABS, Blue
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Mechanical data

Application weight	4.50 g
Dimension	Ø 31 x 40 mm