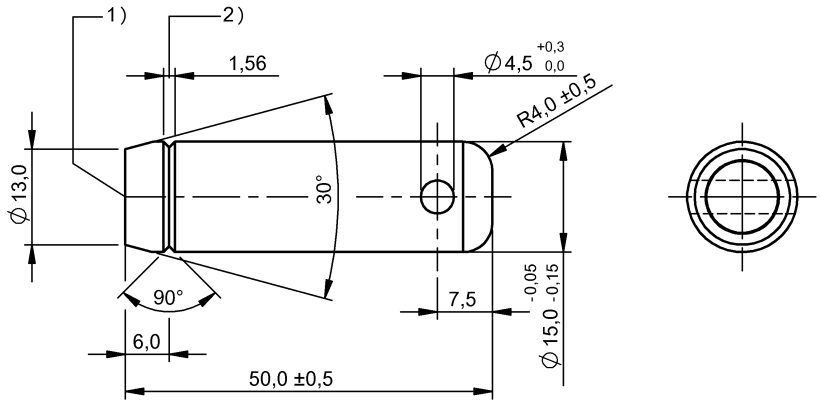
LF (125 kHz)

BIS L-103-05/L-ZC1
Order Code: BIS00ZY



1) Sensing surface, 2) Notch

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	48 × 4 bits
Programming cycles	≥ 100.000
Programming time	for 4 bytes: 0.305s
Read cycles	Unlimited
Read time	for 4 bytes: 0.18 s

Environmental conditions

Ambient temperature	-25...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, 1 m, 24 h, 20 °C
Storage temperature	-25...85 °C

Functional Characteristics

Memory type	EEPROM
UID serial number, read-only	4 Byte
User data, read/write	192 Byte

Material

Housing material	POM, Data carrier: PPS, epoxy PUR

Mechanical data

Application weight	12.00 g
Dimension	Ø 15 x 50 mm
Installation	metal-free (clear zone)

Remarks

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.
IP68 tested according to BWN Pr 36
For read/write distance see BIS L-103-05/L, reduced by 6.0 mm. Notch for fixing, use only with BIS Z-ZA-001.