



1) Sensing surface, 2) Glass



Basic features

Antenna type	round
Approval/Conformity	CE UKCA cULus WEEE
Demineralized water EN 55011	resistant Size 1, Cl. A
Principle of operation	Data carrier

Electrical data

Memory organization	32 × 8 bits
Programming cycles	up to 70 °C: 500,000 up to 30 °C: 1,000,000
Programming time	for 1x8 bits: 0.3s for 32x8 bits: 0.6s
Read cycles	Unlimited
Read time	for 32x8 bits: 0.19 s

Environmental conditions

Ambient temperature	10...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	IP68
Storage temperature	10...126 °C
Temperature gradient max.	6 K/min

Functional Characteristics

Memory type	EEPROM
User data, read/write	511 Byte

Material

Housing material	Glass
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Mechanical data

Application weight	0.90 g
Dimension	Ø 11 x 13 mm
Installation	metal-free (clear zone) on metal flush in metal
Pressure max.	2.6 bar

LF (70/455 kHz)
BIS C-121-04/L-SA1
Order Code: BIS000W

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Remarks

Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.
Values are under rated conditions unless otherwise specified.
For installation requirements see corresponding read/write head.
Time specification includes data check.
IP68 tested according to BWN Pr 36
On the last page only 31x8 bits are usable.
Read/write distance see BIS C-121-04/L reduced by 0.8 mm.