



1) Sensing surface, 2) Read/write axis, 3) Clear zone, 4) Clear zone surrounding



## Basic features

<b>Antenna type</b>	round
<b>Approval/Conformity</b>	CE cULus WEEE
<b>EN 55011</b>	Size 1, Cl. A

## Electrical data

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

## Environmental conditions

<b>Ambient temperature</b>	0...60 °C
<b>Continuous shock load</b>	yes
<b>EN 60068-2-27, Shock</b>	yes
<b>EN 60068-2-32 Free fall</b>	yes
<b>EN 60068-2-6, Vibration</b>	yes
<b>Protection degree</b>	IP65
<b>Storage temperature</b>	-20...60 °C

## Functional Characteristics

<b>Memory type</b>	EEPROM
<b>User data, read/write</b>	1023 Byte

## Material

<b>Housing material</b>	ABS
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## Mechanical data

<b>Application weight</b>	30.00 g
<b>Dimension</b>	53 x 4.8 x 85 mm
<b>Installation</b>	metal-free (clear zone)

## Remarks

For installation in metal: Observe clear zone.  
 Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.  
 On the last page only 31x8 bits are usable.  
 Values are under rated conditions unless otherwise specified.  
 Time specification includes data check.  
 For installation requirements see corresponding read/write head.