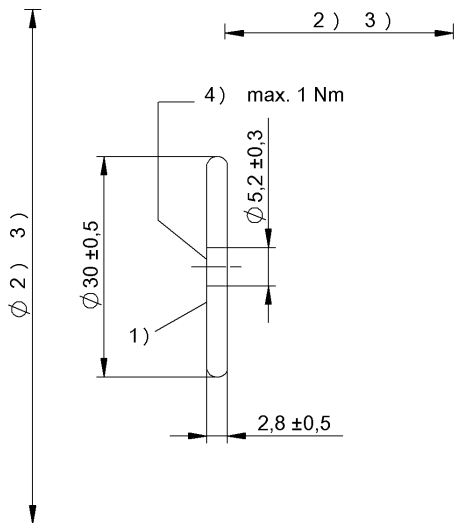


## BIS M-111-02/L BIS0045



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



### Electrical data

Data retention time/years	≥ 10 at 55 °C
Memory capacity	2000 Byte
Memory organization	250 × 8 bytes
Memory size, read	8 Byte
Programming cycles	10 000 000 000
Programming time	for 16 bytes: 0.060s
Read cycles	Unlimited
Read time	User ID for 8 bytes: 0.02 s for 16 bytes: 0.03 s

### Environmental conditions

Ambient temperature	-25...85 °C
EN 60068-2-27, Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-6, Vibration	yes
Protection type IEC 60529	IP68
Storage temperature	-25...85 °C

### Functional safety

EN 60068-2-32 Free fall	yes
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### General data

Antenna type	round
Approval/Conformity	CE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B
Food compatibility	Directive 02/72/EC

### Material

Housing material	PA, PA 6
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### Mechanical data

Application weight	3.00 g
Dimension	Ø 30 x 2.8 mm
Installation	with clear zone (in steel)

### 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.  
Torsional, bending and impact loading is not permitted.  
Recommended screw: M5, 8.8  
For installation in metal: Observe clear zone.  
IP68 tested according to BWN Pr 36