



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



### Electrical data

Data retention time/years	≥ 10
Memory organization	48 × 4 bytes
Memory size, read	5 Byte
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
EN 60068-2-27, Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-6, Vibration	yes
Protection type IEC 60529	IP67 1 m, 30 min
Storage temperature	-40...95 °C

### Functional safety

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

Antenna type	round
Approval/Conformity	CE

EN 55011  
 EN 55022

Size 1, Cl. A  
 Size 1, Cl. B

### Material

Housing material	Epoxy-resin/fiberglass, GF
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### Mechanical data

Application weight	6.50 g
Dimension	Ø 50 x 1.6 mm
Installation	with clear zone (in steel)

### Remarks

For installation in metal: Observe clear zone.  
 a) Hygroscopicity The hygroscopicity of the cured material depends heavily on the ambient temperature. Saturation in water at +20 °C / 6 days = 0.3 %  
 Saturation in water at +70 °C / 3 days = 3.0 %  
 Torsional, bending and impact loading is not permitted.  
 Values are under rated conditions unless otherwise specified.  
 Time specification includes data check.  
 Data carriers programmed to customer specification. For use only together with read system L-4xx. Marking of the customer and programming data is only on the packaging, not on the data carrier. After delivery the customer is responsible for documenting the programming data himself.  
 For installation requirements see corresponding read/write head.  
 Only when used together with the appropriate read/write head.  
 Recommended screw: M4, 8.8