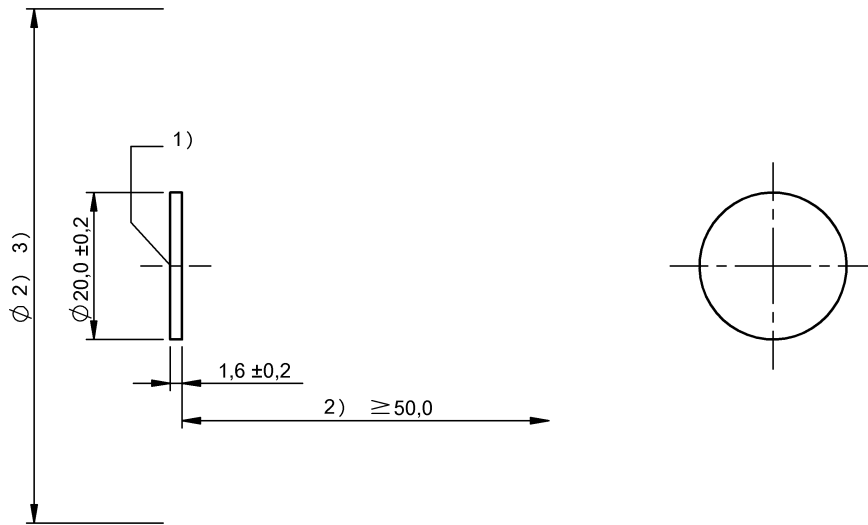


BIS L-100-01/L BIS0033



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



Electrical data

Data retention time/years	≥ 10
Memory capacity	192 Byte
Memory organization	48 × 4 bytes
Memory size, read	4 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
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Approval/Conformity

EN 55011
EN 55022

CE

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

Material

Housing material	Epoxy-resin/fiberglass, GF
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Mechanical data

Application weight	1.40 g
Dimension	Ø 20 x 1.6 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.

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 %
For installation in metal: Observe clear zone.