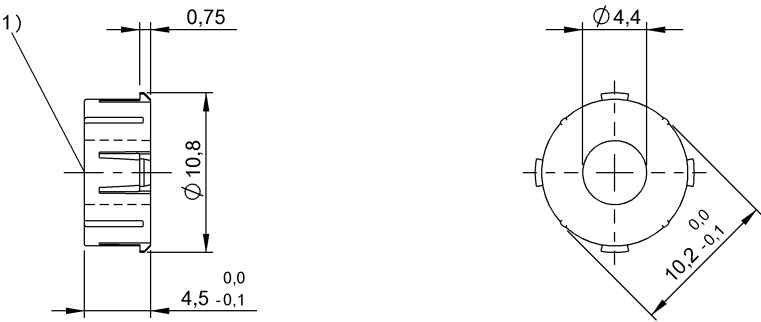




1) Sensing surface



Basic features

Antenna type	round
Approval/Conformity	CE WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B
Food compatibility	Directive 02/72/EC
Principle of operation	Data carrier
Radio license	Europe (CE) United Kingdom (UKCA)

Electrical data

Data retention time/years	≥ 10 at 55 °C
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
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	-25...85 °C

Functional Characteristics

Memory type	FRAM
Supported data carrier types	DIN ISO 15693
UID serial number, read-only	8 Byte
User data, read/write	2000 Byte

Functional safety

MTTF (40 °C)	3605 a
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Material

Housing material	PEEK, GF30
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Mechanical data

Application weight	0.5 g
Dimension	Ø 10.1 x 4.5 mm
Installation	metal-free (clear zone)