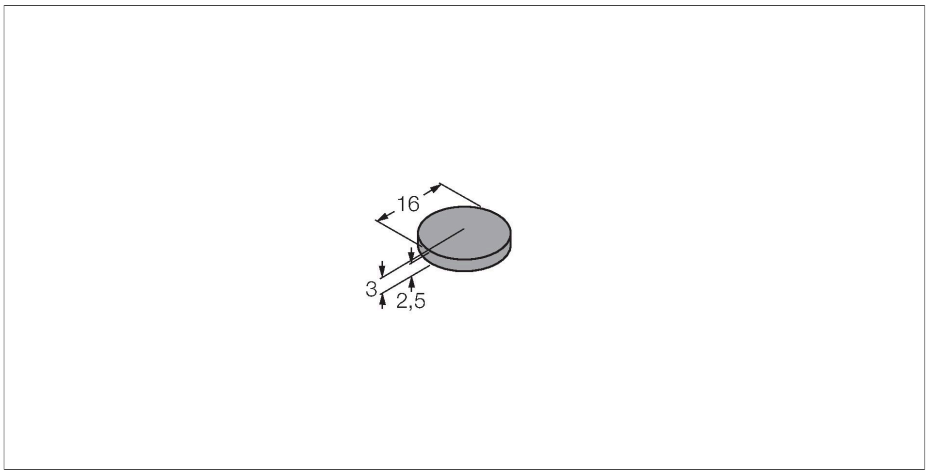
LOGI TAG 161 SLIX2
HF Tag



Technical data

Type	LOGI TAG 161 SLIX2
ID	100002353
Remark to product	extended storage temperature range, suitable for Laundry applications
Device marking	II 1G Ex ia IIC T6 Ga II 1D Ex ia IIIC T85 °C Da I M1 Ex ia I Ma
Approval acc. to	Ex Veritas 22ATEX 1474X
Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693 NFC Typ 5
	For explosion hazardous areas see instruction leaflet
Design	Hard tag, R16
Housing material	Plastic, PA6
Active area material	Plastic
Protection class	IP69K
Packaging unit	1

Technical data

Type	LOGI TAG 161 SLIX2
ID	100002353
Remark to product	extended storage temperature range, suitable for Laundry applications
Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Memory type	EEPROM
Chip	NXP I-Code SLIX2

Features

- EEPROM, memory 320 byte
- Not for direct mounting on metal
- ATEX category II 1 G, Ex zone 0
- ATEX category II 1 D, Ex zone 20
- ATEX category I M1, mining

Functional principle

The HF read/write devices operating at a frequency of 13.56 MHz form a transmission zone the size of which (0…500 mm) varies, depending on the combination of read/write head and tag used.
The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials.
The read/write distances of tags suitable for mounting in/on metal were determined in/on metal.
Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal). Testing of the application under real operating conditions is therefore essential, especially with on-the-fly reading and writing!

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Technical data

Memory size	320 Byte
Memory	Read/Write
Freely usable memory	316 Byte
	Password-protected access to the data in the tag possible (requires firmware Xv98 or higher in the read/write device)
Number of read operations	unlimited
Number of write operations	10^5
Typical read time	2 ms/Byte
Typical write time	3 ms/Byte
Radio communication and protocol standards	ISO 15693 NFC Typ 5
Minimum distance to metal	10 mm
Temperature during read/write access	-25…+85 °C
Temperature outside detection range	-25…+120 °C
	160 °C, 1 × 35 h
	220 °C, 1 × 30 s
	For explosion hazardous areas see instruction leaflet
Device marking	II 1G Ex ia IIC T6 Ga II 1D Ex ia IIIC T85 °C Da I M1 Ex ia I Ma
Approval acc. to	Ex Veritas 22ATEX 1474X
Design	Hard tag, R16
Diameter	16 mm
Housing material	Plastic, PA6
Active area material	Plastic
Protection class	IP69K
Packaging unit	1

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