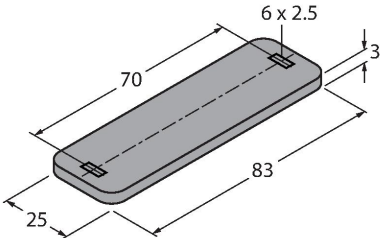


TW-Q25L83-B-B128

HF Tag



Technical data

Type	TW-Q25L83-B-B128
ID	7030699
Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693 NFC Typ 5
Storage temperature	-40...+70 °C
Design	Hard tag
Housing material	Plastic, TPE
Active area material	Plastic, TPE, yellow
Vibration resistance (EN 60068-2-6)	10 g; 10...2000 Hz; 3 axes; 2.5 h
Continuous shock resistance (EN 60068-2-29)	40 g, 18 ms, 6 axes, 2000 x
Protection class	IP67
Packaging unit	1

Technical data

Type	TW-Q25L83-B-B128
ID	7030699
Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Memory type	EEPROM
Chip	NXP I-Code SLI-X
Memory size	128 Byte
Memory	Read/Write
Freely usable memory	112 Byte
Number of read operations	unlimited

Features

- Resistent gegenüber Mineralöl, Petroleum, Salznebel, Pflanzenöl, HCL (10%), Bleichmittel (5%); UV-Licht
- Die Angaben zur Resistenz gegenüber bestimmten Materialien stellen keine zugesicherten Produkteigenschaften dar. Der Anwender muss eine Prüfung hinsichtlich Eignung für seine Applikation durchführen.
- EEPROM, memory 128 byte
- Flexible design, for mounting on curved or irregular surfaces

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!

Technical data

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	-40...+70 °C
Storage temperature	-40...+70 °C
Temperature outside detection range	-40...+70 °C
Design	Hard tag
Housing length	83 mm
Housing width	25 mm
Housing height	3 mm
Housing material	Plastic, TPE
Active area material	Plastic, TPE, yellow
Vibration resistance (EN 60068-2-6)	10 g; 10...2000 Hz; 3 axes; 2.5 h
Continuous shock resistance (EN 60068-2-29)	40 g, 18 ms, 6 axes, 2000 ×
Protection class	IP67
Packaging unit	1