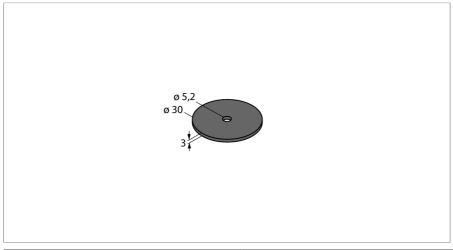


## HF TW-R30-K9





Type designation Ident-No.	TW-R30-K9 7030565
Type Ident. no.	TW-R30-K9 7030565

Data transfer Inductive coupling Operating frequency 13.56 MHz Memory type **FRAM** Fujitsu MB89R112 Chip 9216 Byte Memory Read/Write Memory Freely usable memory 8192 Byte Number of read operations 10<sup>12</sup> Number of write operations 1012

Typical read time 0.5 ms/byte
Typical write time 0.5 ms/byte
Radio communication and protocol standards ISO 15693

Minimum distance to metal 10 mm

Temperature of data carrier during read/write access 10 mm

Temperature of data carrier outside detection -40...+90 °C range

DesignHard tag, R30Diameter30 mm +/- 0.5 mmInternal diameter5.2 mm +/- 0.3 mmHousing height3 mm +/- 0.5 mmHousing materialPlastic, PA6Active area materialPlastic, PA6, blackProtection classIP69K

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Packaging unit

## **Functional principle**

The HF read/write heads 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 data carrier.

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by materials.

The read/write distances of data carriers 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 read/write on-the-fly!





## Operating manual

## Intended use

This tag corresponds to the requirements for simple apparatus according to EN 60079-14, 5.12.2 and may, under certain conditions, be used in the Ex area. The requirements of EN 60079-14 must be observed in this case.