RFID/NFC TAGS

RFID/NFC LED tags

Request now

RFID/NFC tags with LED complement RFID technology. The combination of RFID/NFC tags with LED is an innovative solution that offers visual feedback in addition to unique identification. The visual feedback allows objects to be recognized and identified simultaneously or individually. The LED technology is available for both RFID frequencies, HF and UHF, as well as for dual frequency.

Scanning the LED tag with the reader reads the chip and the LED lights up at the same time. This additional visual recognition aid helps to find objects more intuitively and quickly and offers both a quick search and individual positioning.

RFID/NFC LED tags make processes more efficient and improve the interaction between technology and user.

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Various application possibilities

Unique emblems

The RFID/NFC tags with LED is integrated into an emblem, logo or lettering and gives it intelligence thanks to the RFID/NFC technology and additional luminosity thanks to the integrated LED. Each time it is read, the LED is activated and lights up in an individual color. The individually designed and printed emblems, logos and lettering not only impress with their shape, beauty and pleasant feel, but also with their luminous effect... a very nice additional marketing effect that makes products even more beautiful and distinctive.

Cable management

If a specific cable needs to be searched for or identified among many in an enclosure, the RFID/NFC LED tag is the solution. You enter the UID (globally unique chip number) into the reader and as soon as this UID is identified by the reader, the integrated LED lights up.

Identification of components

If a specific component on a train or in a machine needs to be searched for and clearly identified for maintenance purposes, the RFID/NFC LED tag provides visual confirmation. You enter the UID (globally unique chip number) into the reader and as soon as this UID is identified by the reader, the integrated LED lights up.

Measuring the field strength

The LED RFID technology can also be used to measure the field strength of the RFID signal. Depending on how much power arrives at the tag, the LED will light up brighter or dimmer or go out completely. This can provide more information than a simple go/no-go test and characterize the read range.

Technical data

UK CA   CE   All properties of our RFID/NFC labels are optimized to your project requirements and application purposes.

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Frequency	125 kHz (LF), 13.56 MHz (HF+NFC), 860-960 MHz (UHF)
Material	Polyurethane, Aluminum, Stainless steel, Paper, PET, PVC, PCB FR4
Labeling	Pressure, Laser treatment
Fastening	Self-adhesive, Mounting holes for cable ties, screws and rivets, Magnet, Without fastening option
Delivery form	Isolated, Roll, Bow
Suitability for metal surfaces	Yes