arfidex
advanced rfid expertise

RFID

nfc

ROBUSTUS 34
RUGGED
ON METAL
RFID NFC TAG
Ø 34 x 8 mm
5 mm hole
HF/NFC or LF
ISO14443A
ISO15693

Product:	Rugged Various Frequency RFID TAG 34 x 8 mm with 5 mm hole	
RFID Chips Options:	HF/NFC: NXP ISO15693: I-Code SLIX, ISO14443A: NTAG 213/216, Mifare S50 EV1 LF: EM4200, Hitag S256 / S2048, ATA5577	
Read Range:	HF/NFC/LF: 10...150 mm	(Depends on RFID IC type and reader power)
Frequencies:	HF/NFC: 13,56 MHz LF: 125 kHz	(At room temperature 20°C)
Dimensions / Weight:	Ø 34 mm x 8 mm, 5 mm hole	7 g
Material / Colour:	PA66 shell / Epoxy potted	Black, Yellow (other colours on request)
Protection Class:	IP68	
Minimum Order Quantity:	1000 pieces	(Minimum Production Lot)
Operating Temperature:	-40°C ...+ 85°C	
Storage Temperatures:	-40°C…+ 85°C	
Certification / Other:	CE	RoHS ✔
Part Description:	Ø 34x8mm-NFC-ON-METAL-TAG-YELLOW-HF-NTAG216 Ø 34x8mm-ON-METAL-TAG-YELLOW-LF-EM4200 Ø 34x8mm-NFC-ON-METAL-TAG-YELLOW-HF-SLIX Ø 34x8mm-NFC-ON-METAL-TAG-YELLOW-HF-SLIX2	Part-No. 123457046 Part-No. 123456797 Part-No. 123457468 Part-No. 123457469

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Options:

- Several colour version available (Black, Blue, Green, Red, Yellow)
- Customised colour on request
- Different Frequency Versions (HF, NFC, LF) country/region versions on request
- Customised laser printing
- Serial Number printing
- UID Number printing
- Adhesive back sticker foil
-

This 34 mm RFID transponder is used by system integrators or endusers to identify all kind of equipment in industrial harsh environment.

Applications:

- Digital ID to every object
- Industrial ID
- Maintenance and Service
- Subsea applications
- Your application

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Wartung und Instandhaltung mit RFID-Technologie

Die Verwendung von RFID-Technologie vereinfacht die Prozesse der Wartung, Instandhaltung und Inspektion erheblich. Durch die Integration von RFID-Tags kann die Effizienz gesteigert und die Genauigkeit der Dokumentation verbessert werden. In diesem Artikel werden wir die Vorteile und Anwendungen der AUF METALL PA66 TAG 34 mm HF/NFC 13,56 MHz / LF 125 kHz RFID-Tags von arfidex GmbH genauer betrachten.

Vorteile der RFID-Technologie in der Wartung

Eindeutige Kennzeichnung und Identifikation:
RFID-Tags bieten eine zuverlässige Methode zur eindeutigen Kennzeichnung und Identifikation von Ausrüstungen und Anlagen. Dies ist besonders wichtig, um sicherzustellen, dass die richtigen Maßnahmen an den richtigen Geräten durchgeführt werden.

Nicht manipulierbar:
Die Daten auf den RFID-Tags können nicht leicht manipuliert werden, was die Integrität der Informationen gewährleistet. Dies ist entscheidend für die Einhaltung von Sicherheits- und Wartungsvorschriften.

Nutzung von AUF METALL PA66 TAG

Robustheit und Langlebigkeit:
Der AUF METALL PA66 TAG ist speziell für die Anbringung auf metallischen Oberflächen konzipiert. Er ist besonders robust und langlebig, was ihn ideal für den Einsatz in anspruchsvollen Umgebungen macht.

HF/NFC 13,56 MHz und LF 125 kHz Kompatibilität:
Diese Tags sind sowohl mit High Frequency (HF) als auch mit Low Frequency (LF) Lesegeräten kompatibel, was eine flexible Integration in bestehende Systeme ermöglicht.

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Einsatz von Smartphones und iPhones

NFC-Technologie für einfache Handhabung:
Viele moderne Smartphones, einschließlich iPhones, sind mit NFC-Technologie ausgestattet. Dies ermöglicht es den Wartungsteams, schnell Informationen von den RFID-Tags abzurufen, indem sie einfach ihr Gerät in die Nähe des Tags halten.

Anwendungsbereiche

- **Wächterkontrolle:**

Die Überwachung von Sicherheitsrundgängen kann durch den Einsatz von RFID-Tags effizienter gestaltet werden.

- **Wiederkehrende Prüfungen:**

Regelmäßige Inspektionen können optimiert werden, indem Informationen automatisch erfasst und gespeichert werden.

- **Zeitstempel und Standortverfolgung:**

Die Implementierung von RFID-Technologie in Verbindung mit Smartphones oder Tablets ermöglicht die präzise Erfassung von Zeitstempeln und Standorten, was die Nachverfolgbarkeit verbessert.

Fazit

Die Integration von RFID-Tags, wie dem AUF METALL PA66 TAG von arfidex GmbH, bietet zahlreiche Vorteile in der Wartung und Instandhaltung. Sie ermöglichen eine zuverlässige und effiziente Identifikation und Nachverfolgung von Ausrüstungen und tragen zur Optimierung der Prozesse bei. Die Nutzung von Smartphones zur Interaktion mit diesen Tags macht die Anwendung zusätzlich benutzerfreundlich und flexibel.

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