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MARQUARDT NR3 NFC Reader Module User Manual

MARQUARDT NR3 NFC Reader Module

Contents

Functional description

The NR3 is a NFC reader module mounted on the B-pillar of the car. It used the NFC technology to grant access to the car. The NR3 connects to smartphones, wearables and NFC tags to authorize door opening.
The NR3 acts as an interface between car electronics control Unit and applications on NFC devices. The car ECU requests the NR3 which communicates with the NFC device on the integrated antenna using a magnetic field.

User manual

The user places his paired NFC device (a smartcard or a mobile phone / wearable with an integrated secure element ID) onto the NR3. The NR3 authorizes the user to enter the car automatically as soon as a valid device is recognized. Then the door is unlocked and the driver can access the car.
For additional information, please refer to the User Manual provided by the OEM.

Compliance statements USA & Canada

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and

2. this device must accept any interference received, including interference that may cause undesired operation.

CAUTION TO USERS: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and

2. This device must accept any interference, including interference that may cause undesired operation of the device.

MARQUARDT GmbH Sch lob stra be 16 D 78 604 Ri etheim – Weilheim	Initial Version	25.04.2024	Version	1.0
	Department	RDEC-PU	File	2024-04-22_User _Manual_ NR3.doc
	Editor	Hrishikesh Nir guide	Project No.	M439601
	Revision		Page	Page 2 of 5

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC and IC RF Radiation Exposure Statement: This equipment complies with FCC and IC RF Radiation exposure limits set forth for an uncontrolled environment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

History

Version	Chapter	Changes	Date	Editor
1.0	All	Original version	22.04.2024	H Nirgude

Customer Support

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First Version : 22-04-2024
Version : 1.0
H/W Version: 243.761.011

Documents / Resources

MARQUARDT NR3 NFC Reader Module [pdf] User Manual
NR3, NR3 NFC Reader Module, NFC Reader Module, Reader Module, Module

References

- **User Manual**