



# MARQUARDT HH5 NFC Door Handle Sensor User Manual

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## HH5 NFC Door Handle Sensor

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First Version: 18.09.2023  
Version: 1.0

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The HH5 is a door handle for a car with capacitive touch sensors and NFC. An integrated NFC antenna inside into the door handle allows the HH5 to identify authorized smartphones, wearables and NFC tags; to allow the user access to the car.

The HH5 is connected to the car using a CAN-FD interface. It acts as communication channel between CAR Electronics control Unit and NFC Readers. The car ECU NFC Reader requests to the HH5 which communicates with the NFC device on the integrated antenna using a magnetic field.

## User manual

The user places his authorized NFC device (a smartcard or a mobile phone / wearable with an integrated secure element ID) onto the door handle. The HH5 authorizes the user to the car automatically as soon as a valid device is recognized. Then the door is unlocked and the driver can access the car. The NFC communication is only activated once a NFC device is placed onto the door handle.

MARQUARDT GmbH Schloßstraße 16 D 78 604 Rietheim — Weilheim	Initial Version	18.09.2023	Version	1.0
	Department	RDE1-PU	File	2023-09-18_User_Manual_HH5.doc
	Editor	Agnetta Rebello	Project No.	
	Revision	—	Page	

## History

Version	Chapter	Changes	Date	Editor
1.0	All	Original version	18.09.2023	A. Rebello

11 December 2023

SGS North America Inc.  
620 Old Peachtree Road  
SUITE 100  
Suwanee, Georgia  
United States

Compliance Statement in Car Manual / FCC ID: IYZHH5

Dear Sirs,

Our products with the above FCC ID code is an NFC enabled Door Handle Sensor.

The product will be supplied as an original equipment device to the car manufacturer.

Hereby we assure that the following caution statement as per CFR 47, Part 15, § 15.21 will be included in the owner's manual of the cars:

The title "CAUTION TO USERS" or "FCC Warning:" "NOTE:" or relevant title and "Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment."

In addition our client also assures that the following statement will be included in the manual as per CFR 47, Part 15, § 15.19 (a) (3).

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.

Signed for and on behalf of:

Rietheim-Weilheim, 11.12.2023

\_\_\_\_\_  
ppa. Gerd Villing  
Vice President, Research & Development

  
MARQUARDT GMBH  
78604 RIETHEIM WEILHEIM  
(Signature)

11 December 2023

SGS North America Inc.  
620 Old Peachtree Road  
SUITE 100  
Suwanee, Georgia  
United States

Compliance Statement in Car Manual / IC: 2701A-HH5

Dear Sirs,

Our products with the above IC ID Number is an NFC enabled Automotive Door Handle Sensor.  
The product will be supplied as an original equipment device to the car manufacturer and mounted in their factory  
Hereby we assure that the following caution statement as requested per RSS Regulation will be included in the owner's manual of the cars:

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.

Signed for and on behalf of:

**Rietheim-Weilheim, 11.12.2023**

ppa. Gerd Villing  
Vice President, Research & Development

MARQUARDT GMBH  
78604 RIETHEIM-WEILHEIM  
(Signature)

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## Documents / Resources

	<p><a href="#">MARQUARDT HH5 NFC Door Handle Sensor</a> [pdf] User Manual HH5, HH5 NFC Door Handle Sensor, NFC Door Handle Sensor, Door Handle Sensor, Handle Sensor, Sensor</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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