New

KGEA-DH-NFCTS

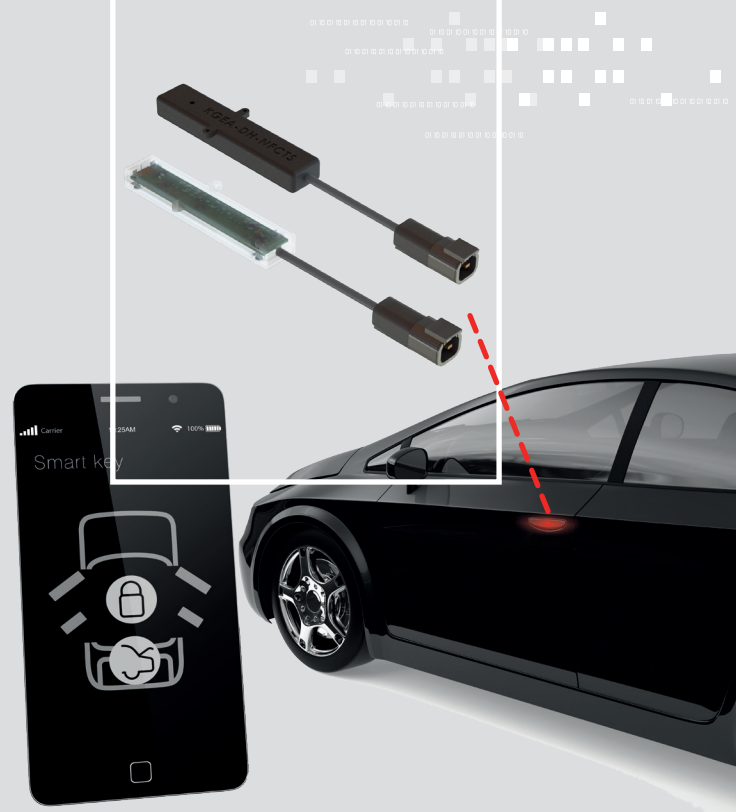### NFC module for Door Handle
NFC module + Touch sensor + Pocket light

NFC ANTENNAS

APPLICATIONS

> Door handle for Smart Key (NFC) car access.
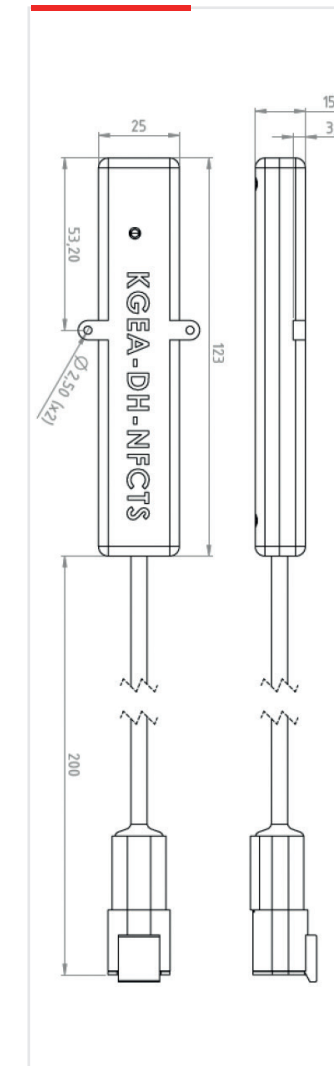> Demo kit for developing Smart Key applications.

01 FEATURES

> NFC reader compliant with ISO14443A, ISO14443B, ISO15693 and FeliCa™.
> Lock and Unlock touch sensors.
> Pocket lighting.
> CAN-FD link with the ECU.
> Include basic Android app.

> Low power consumption.
> Secure communication.
> Resilient and effective in different weather conditions.
> Electronics designed to meet automotive standards.
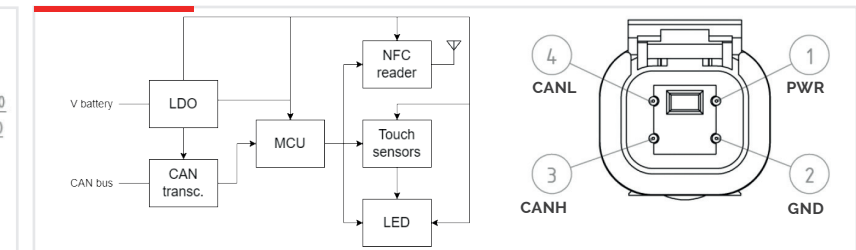
02 OPERATION

1. Power the device and open the example Android app in the smartphone.
2. Activate one of the touch sensors to wake-up the device and start the NFC reading.
3. Bring the smartphone closer to the NFC antenna of the DH.
4. You will receive a light indication with each touch sensing and NFC correct reading.

03 SPECIFICATIONS

DIMENSIONS (mm)

SCHEMATIC DIAGRAM

ELECTRICAL SPECIFICATIONS

Operating frequency	13.56 MHz for NFC
Operating voltage	6-36 Vdc, 12 Vdc typ.
Max. current consumption	300 mA
Sleep mode consumption	450 uA
NFC reading distance	5cm with smartphone
Waterproof, flammability	IP67, UL94-V0
EMC testing	CISPR25, ISO7637-2, ISO11452-2, ISO11452-4, ISO10605
Operating temperature	-40°C to 85°C

POSITION OF THE FEATURES