

Product Name: Smart Access Controller

Model: K3CC

Trade Mark: BYD

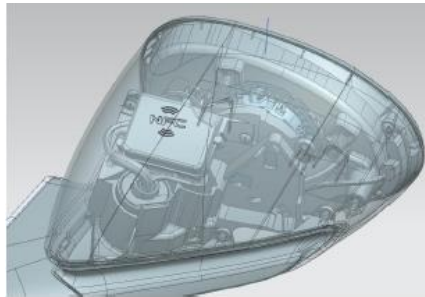
Instructions:

Receive the near field communication information of the smart card for analysis, and send it to the body controller through CAN for processing and authentication.

Use the BYD Auto APP to activate NFC and Bluetooth car keys, Using a mobile phone can realize functions such as NFC unlocking, Bluetooth unlocking, Bluetooth window closing, Bluetooth car search, Bluetooth opening air conditioner, Bluetooth opening trunk, etc., and use the mobile phone NFC key when the mobile phone is out of power; You can also use the BYD official NFC card to activate the NFC card key to achieve NFC card key unlock function.

Installation location

Installed inside the external rearview mirror



The main parameters:

| | |
|-----------------------|-----------------------------------------------------|
| Operating Temperature | -40℃ to +85℃ |
| Modulation Type (NFC) | ASK |
| Modulation Type (BLE) | GFSK |
| NFC Sensing distance | 0-5cm, The longest distance is not less than 2.75cm |
| BLE Sensing distance | ≥30m (open space) ≥20m (dense space) |
| Operating Voltage | 5V |
| Operating Current | <200mA |
| Protection Class | IP6K7 |
| CANFD | 500K |
| Technology | NFC+ BLE |
| Frequency Range | NFC:13.56MHZ(±7K) ,BLE:2402-2480MHZ |
| Channel spacing | NFC:N/A ,BLE:2MHZ |
| No. of Channel | NFC:1 ,BLE:40 |
| Antenna Type | PCB Antenna |

Product Termination Connector Pin Definition:

| pin number | port name | port definition | Harness connection | signal type | Steady state operating current/A | power | Remark |
|------------|-----------|-----------------|-------------------------------------------|-----------------------------------------------|----------------------------------|-------|-------------------------------|
| 1 | power | VBAT | Connect to the left domain controller pin | Power, twisted pair, Twisted with pin2 | <1A | 5v | Orange line |
| 2 | GND | GND | GND | GND, twisted pair, Twisted with pin1 | <1A | | two-color (Yellow-green) line |
| 3 | CAN1 | CANFD1-H | Connect to Smart access network | CANFD signal, twisted pair, Twisted with pin4 | <0.1A | | Pink line |
| 4 | CAN2 | CANFD1-L | Connect to Smart access network | CANFD signal, twisted pair, Twisted with pin3 | <0.1A | | purple line |

FCC Compliance Statements

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

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