

NO.	LIST	SPECIFICATION	NOTE
1	Operating Voltage Range	9V ~ 16V	
2	Rating Voltage	12V	
3	Dark Current	Max. 600uA	
4	Max. Current	400mA	
5	Operating Temp. Range	-30°C ~ 75°C	
6	Storage Temp. Range	-40°C ~ 85°C	
7	Lighting Current Consumption	Max. 35mA	
8	NFC Detection Distance	13mm	HDL Ass'y: 10mm
9	Touch Detection Distance	3mm	HDL Ass'y: 1mm



No.	content	NFC+TOUCH	TOUCH ONLY
1	Connect the connector to the PINMAP. (See picture: PINMAP on the right)	O	O
2	Wait for the stabilization time after supplying the 12V power. (MAX. 10S)	O	O
3	When the touch area is touched, a low signal is output through the lock/unlock pin. (Lock/Unlock pin: Hi-Z status without touch. Pull up from external controller)	O	O
3-1	The Lock/Unlock signal is output through CAN communication.	O	
4	When an nfc card(or cellular phone) is accessed in the nfc area, an nfc detection signal is output through CAN communication.	O	
5	When the P/light On signal is input through the CAN communication, The P/light is turned on.	O	
5-1	When a low signal(short GND) is input to the P/light pin, P/light is turned on.		O

<FCC 15.19>

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.

<FCC 15.105>

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.

<FCC 15.21>

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

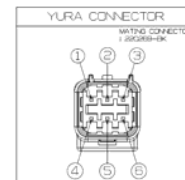
- (1) this device may not cause interference,
 and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

PINMAP

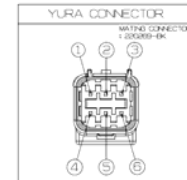


* 5A/DIS
 — LOCK/UNLOCK
 — CAN SIGNAL

CONNECTOR ASSY : 240228-BK
 HOUSING ASSY : 240228-BK
 TERMINAL : 310109-11

240228-BK TOUCH + NFC

PIN ID	FUNCTION	WIRE	COLOR	SIGNAL DESCRIPTION
1	BAT(+)	022 SG	RED	POWER SUPPLY
2	LOCK / UNLOCK	022 SG	YELLOW	LOCK/UNLOCK HARDWARED SIGNAL
3	L CAN (L)	022 SG	GREEN	CAN LOW SIGNAL
4	L CAN (H)	022 SG	BLUE	CAN HIGH SIGNAL
5	N/C	—	—	—
6	GND	022 SG	BLACK	ELECTRIC GROUND



* 5A/DIS
 — LOCK/UNLOCK
 — CAN SIGNAL

CONNECTOR ASSY : 240228-BK
 HOUSING ASSY : 240228-BK
 TERMINAL : 310109-11

240228-BK TOUCH ONLY

PIN ID	FUNCTION	WIRE	COLOR	SIGNAL DESCRIPTION
1	BAT(+)	022 SG	RED	POWER SUPPLY
2	DUMMY	022 SG	WHITE	DUMMY
3	N/C	—	—	—
4	LOCK / UNLOCK	022 SG	YELLOW	LOCK/UNLOCK HARDWARED SIGNAL
5	N/C	—	—	—
6	GND	022 SG	BLACK	ELECTRIC GROUND

