
Datasheet

Next-generation technology and smart innovations for a more connected, keyless building experience.

SALTO
inspired **access**



SALTO Silicone Wristbands **CWSxD207**

Technical specifications:

Contactless RFID silicone bracelets are comfortable, easy to wear and a good alternative to classic key fobs and cards. Lightweight and waterproof, these wristbands are equipped with the NXP MIFARE DESFire Common Criteria EAL5+ security-certified chip, offering the best in the market alternative for RFID-based physical key products.

TECHNICAL DATA:

Sizes :	S: 152mm x 16mm x 7,5mm M: 180mm x 16mm x 7,5mm L: 195mm x 16mm x 7,5mm XL: 210mm x 16mm x 7,5mm
Material:	Silicone
Chip manufacturer:	NXP Semiconductors
Chip type:	MIFARE® DESFire® ¹
IP rating:	IP68

¹ Please contact SALTO inside sales for information on the latest family evolution available

SALTO PLATFORM COMPATIBILITY:

Version / Model	
D207	•

COLORS:

White	•
Blue	•
Black	•
Red	•
Green	•
Yellow	•
Pink	•

RFID MAIN FEATURES:**RF interface: ISO/IEC 14443 Type A**

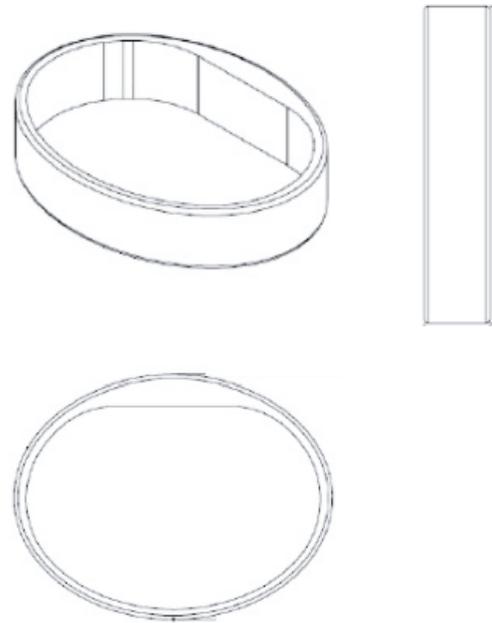
- Contactless interface compliant with ISO/IEC 14443-2/3 A
- Operating frequency: 13.56 MHz
- Fast data transfer: 106 kbit/s, 212 kbit/s, 424 kbit/s, 848 kbit/s
- 7 bytes unique identifier
- Uses ISO/IEC 14443-4 transmission protocol

Non-volatile memory

- 2 KB
- Data retention of 25 years
- Write endurance typical 1,000,000 cycles
- Fast programming cycle

NV-memory organization and multi-application support

The DESFire PICC-level configuration allows creation of 3rd Party Application without presenting PMK, provided that the intended application fits in the free memory available.

TECHNICAL DRAWING:**Security**

- Common Criteria certification: EAL5+ (Hardware and Software)
- Unique 7 bytes serial number for each device
- Mutual three-pass authentication
- Hardware AES using 128-bit keys featuring key version
- Data authenticity by 8 byte CMAC
- MF3ICD40 compatible mode: 4 byte MAC, CRC 16
- Data encryption on RF-channel
- Authentication on application level
- Hardware exception sensors
- Self-securing file system
- Originality Check for proof of genuine NXP's product

Special features

Transaction-oriented automatic anti-tear mechanism with new transaction timer support.



SALTO Systems.

Get in touch with our team.

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