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## Datasheet

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

**SALTO**  
inspiredaccess



### **SALTO Keyfobs** CFAD2xx

Technical specifications:

Built in ABS, waterproof housing, these keyfob 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:

Keyfob size :	34mm x 41,4mm
Material:	ABS body
Chip manufacturer:	NXP Semiconductors
Chip type:	MIFARE® DESFire® <sup>1</sup>

<sup>1</sup> Please contact SALTO inside sales for information on the latest family evolution available

## SALTO PLATFORM COMPATIBILITY:

Version / Model	
D207	•

## COLORS:

Available in white, SALTO design with different colors, or with customer-specific artwork options based on specific customer needs.

Blue	•
Red	•
Green	•
Yellow	•
Black	•

## 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 (D207)
- 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.

### 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.



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## **SALTO Systems.**

Get in touch with our team.

Give us a brief summary of your needs, your next project and we'll get back to you.

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