# **F9000** Key

UP User key with RFID transponder

Version MIFARE DESFire EV2 8K, ATEX

F9000 USER MECHATRONIC KEY WITH INTEGRATED RFID TRANSPONDER






## F9000 key even more powerful thanks to Bluetooth connectivity

Equipped with a Bluetooth module and connected to the ISEO's Apps, the mechatronic key opens up an infinite range of services for the user. The mechatronic cylinders require no power source or cabling and can withstand all weather conditions. In addition to the mechanical permutation, each key is made with a unique digital identifier that cannot be changed or duplicated. In case of theft or loss, the key can be disabled in the system. Each contact between the key and a cylinder is recorded in the key's memory (cylinder, event type, date & time).

## Contactless data transfer between key and cylinder.

F9000 keys hold all the system intelligence: it incorporates the power source, access control and tracking, while benefiting from the added security of its mechanical key profile. Both power transmission and data exchange between the key and the cylinder is contactless via induction, giving the system high reliability and robustness, thereby avoiding failures resulting from dirt and moisture as a result of use.

## Product features

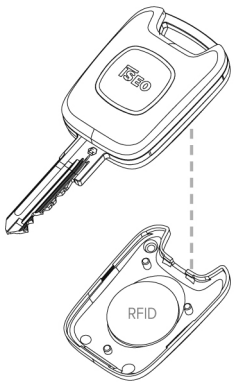
- Each key has a personalized access right that can be modified at any time according to the different management needs of the building
- Power is on the key and doesn't require any wiring
- Fast key authentication (< 80 ms)
- Unique non duplicable key with customized authorizations
- Up to 120.000 keys in a single system
- Storage of opening and forcing events in the key (1000 standard events)

## Product options

**VDS BZ+ CERTIFIED VERSION**

The VDS BZ+ certified version is available on request

# **F9000** Key UP User key with RFID transponder




**DIMENSIONS**
- Paracentric key profile
- Total length: 91 mm
- Body lenght: 51 mm
- Body thickness: 18 mm
- Key neck 12 mm long, suitable for Defender

**MATERIAL**
Nickel silver

**FINISH**
Nickel plated

cod. **80SAMKI3S0.EX**

**COMMUNICATION INTERFACE**

- Data and energy transfer without electrical contact
- RFID ISO14443B/MIFARE ISO14443A

**CERTIFICATIONS**

- EN 15684:2020 "16046D3D"
- In compliance to ATEX 2014/34/EU directive available: classification “Ex II 2 G Ex ib IIB T4”

## Technical features

**FIRMWARE**
1RIS

**POWER UNIT**
1 lithium battery CR2450

**ESTIMATED BATTERY LIFE**
10 years. Estimated at 20 °C with 10 openings per day.

**ALERTS**

- LEDs: 1 Green, 1 Red

**PRODUCT COMPATIBILITY**
Compatible with ISEO CSF high security mechanical cylinders.
The installation requires only a fixing screw just like a mechanical cylinder. Compati ble with mechanical cylinders from the same range

**ENVIRONMENTAL FEATURES**
- IP65
- H.R. max. 93% without condensing
- Impact protection degree IK8

**WORKING TEMPERATURE**
-20°C ÷ +50°C

**STORAGE TEMPERATURE**
-20°C ÷ +50°C

**PACKAGE**
The pack can contain up to 10 keys

**ACCESSORIES (NOT INCLUDED)**
Back cover for replacement in electronic keys (code E03270)
Back cover with RFID MIFARE Classic 4K (code E03271)
Back cover with RFID MIFARE Desfire EV2 8K (code E03273)
Lithium battery CR2450 for F9000 keys (code E03291)

Compatibility with ISEO applications

| ARGO | LUCKEY | LSA | V364 |
|---|---|---|---|
| - | ● | ● | ● |