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Tampering Prevention
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Production

RFID SECURE KEY-RING

WHEN MANAGEMENT AND SECURITY OF KEYS
ARE FAST, EASY, RELIABLE

RFID SECURE KEY-RING

RFID technology enables advanced security in management of keys

WHEN MANAGEMENT AND SECURITY OF KEYS ARE FAST, EASY, RELIABLE

RFID SECURE KEY-RING is a **robust key ring in the form of self-locking steel cable** that offers a **high degree of security thanks to the use of RFID technology**.

With its **unique serial number that cannot be cloned**, this security keychain can be identified automatically, also **providing reliable reporting of a possible tampering**.

Easy and effective solution

in the prevention of deceitful use of keys
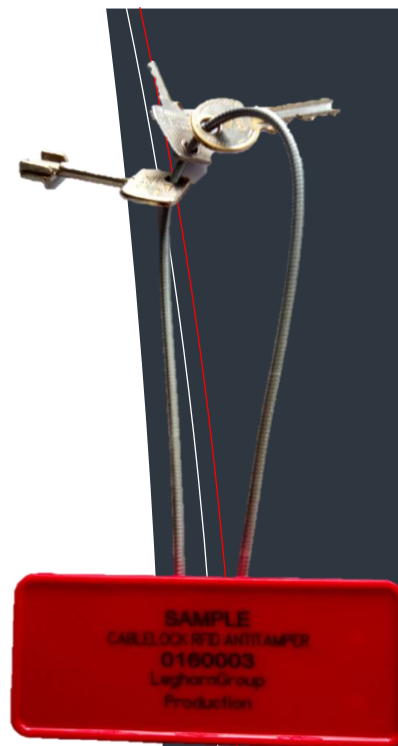
THE NEED

- **Cataloguing rapidly keys for access to sensitive sites** (safes, Bancomat®, security doors, etc.) and allow for their **easy and secure recognition, both for single keychain that massive.**
- **Preventing that the keys are pulled out, misused and reinserted in the security key-holder**.
- Enabling an **integrated HW / SW system** (even with Cloud-type service) **for quick recognition of the security key-holders and their possible status** (intact / tampering).
- **Accurately tracking all the incoming and outgoing keychains to and from a site** (central monitoring station of security companies, business or private security operation office, etc.), **allowing an immediate and reliable check of their completeness and integrity**.

THE SOLUTION

RFID SECURE KEY-RING fully meets these requirements, thanks to the combination of mechanical and electronic functions that allow:

- **Unique and automatic identification (non-contact nor line-of-sight) of the used keychain**;
- **permanent record in the keychain of any tampering attempt. The information is automatically provided at the time of the RFID reading operation of one or more key-rings simultaneously.**

AVOID THAT THE KEYS BE PULLED OUT, IMPROPERLY USED AND REINSERTED IN YOUR SECURITY KEY-RING

TECHNICAL CHARACTERISTICS

- Material: carbonitrured steel + shock-proof polystyrene in accordance with *Restriction of Hazardous Substances (RoHS)*, European Directive 2002/EC.
- IP Protection: IP65
- Operative Temperature: – 20°C / + 55 °C
- Storage Temperature: – 30°C / + 80 °C
- ISO 17712:2013:   yes
- Size Electronic Part (flag): mm 42 x 115 x 4 (1" 21⁄32" x 4" 17⁄32" x 5⁄32")
- Wire standard length: mm 337 (1" 21⁄64")
- Wire diameter: mm 3,5 (9⁄64")
- Weight: 61 g
- Mechanical closure: self-locking cable lock
- Frequency: 860 – 960 MHz – UHF EPC Global
- Reference RF Standard: ISO/IEC 18000-6
- RF Protocol: EPC Class 1 Gen2 / ISO/IEC18000-6C
- Technology: Passive
- Integrated circuit: NXP G2iM+
- User read / write memory: yes - up to 640 bit
- Memory size: from 128 bit up to 448 bit of EPC Memory
- TID (Tag IDentifier):   96 bit, including 48-bit factory locked
- unique serial number;   112 bit User TID memory
- Password protection: yes
- Tamper Detection: yes
- Read / write cycle: 10000
- Data retention: 20 years

MAIN FUNCTIONS

IT PROTECTS KEYS BOTH MECHANICALL AND ELECTRONICALLY EITHER TRANSPORTED OR STORED IN FIXED LOCATIONS.

IT CAN BE LEASILY READ OR WRITTEN BY USING STANDARD UHF RFID DEVICES. INFORMATION CAN BE PASSWORD-PROTECTED.

LeghornGroup is your global partner for every need in
    Protection
    Control
    Identification
    Traceability

Since 1978 LeghornGroup S.r.l. has been manufacturing and selling seals and products for the safety and the security of goods and people, with a specialization in logistics and transportation applications.

Building on broad experience and in-house capabilities for the development of products and systems, including fully customized ones, LeghornGroup S.r.l. is able to offer a definitive answer to every security problem, and is credited as one of the leading European provider for high added value products in security.

With operational and sales offices in Europe, USA, Latin America and Middle East and with its own Europe-based manufacturing facilities for the construction of plastic and metal parts of the seals, LeghornGroup can claim full control of its products and a comprehensive support to customers, globally.

LeghornGroup srl
Protection – Control
Identification - Traceability

36 Via degli Arrotini

I- 57121 Livorno (LI) - ITALY

T +39 0586 406376 F +39 0586 407621

E info@leghorngroup.com