Life made limitless.

G50S.231 Cam lock

System-level description

The patented, award winning iLOQ S50 locking system offers advanced security and convenient access sharing capabilities for master-key locking environments.

The iLOQ S50 Cam lock offers a flexible solution for locking medical cabinets, key boxes, IT and distribution cabinets and many more. The lock harvests electricity wirelessly from NFC field, which enables using phone not only as a key but also as a power source thus the lock is completely battery free. As no batteries are required, the locks are maintenance free and environmentally friendly green solution that eliminates work, costs, waste and harm associated with battery powered solutions.

The lock doesn't have a keyway due to the contactless NFC operation. It is designed to be used in harsh environments where the locks are exposed to dust, moisture and varying temperature conditions ranging from extremely cold to hot weather.

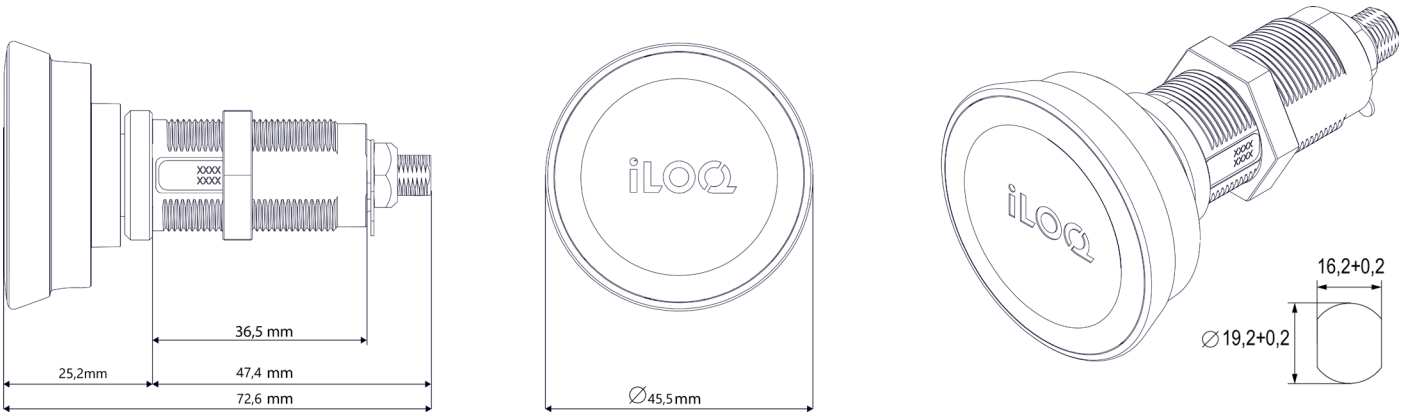
The phone as a key enables flexible access sharing with time restrictions and audit trail reporting over the air. The security level is kept high and security gaps caused by lost key can be eliminated completely without costly change of locks and keys.

Feature summary

- battery-free programmable electromechanical cam lock for iLOQ S50 locking system
- NFC-powered: no batteries required for the lock
- Opening with NFC enabled smartphone* or iLOQ K55S Key Fob
- Secured using powerful AES256 encryption and mutual authentication
- Initial programming with PC and iLOQ P55S.1 Programming Token in connection to server
- Access right list for access groups
- Blocklist for individual lost keys
- Internal audit trail record with time stamp (can be configured on/off)
- Supports time restrictions
- Can be configured to require online opening authentication
- Re-programming with keys (Phone key or K55S Key Fob)
- Firmware updateable
- NFC 13,56 MHz Load modulation (ASK) ISO/IEC 14443A, no transmitter
- .231 – opening and closing with user credential
- .241 – opening with user credential and closing without user credential (rachet function)
- *Android and iOS smartphones

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Dimensional drawing



Memory capacity

Number of access rights	210
Number of blocklisted keys	500
Number of time slots	10
Size of event log	500

Technical data

Ingress protection rating	IP65
Lockable without key	✗
Reader type	Short reader
Maximum temperature	60°C
Minimum temperature	-35°C

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