

D50S.711.SD.80 Europrofile anti-panic cylinder

System-level description

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

The iLOQ D50S Europrofile cylinders harvest electricity wirelessly from the NFC field. This technology transforms a smartphone into a key and power source making the lock completely battery-free. Because no batteries are required, the locks are a maintenance-free and environmentally-friendly green solution that reduces workload, costs, waste and harm associated with battery-powered solutions.

The iLOQ S50 doesn't have a keyway due to contactless NFC technology. The lock is designed for exposure to harsh environments and extreme climates, while remaining water-resistant and dustproof.

The smartphone as a key provides exceptional features coupled with high security. With flexible access sharing, time restrictions and audit trail reporting over-the-air, security gaps caused by lost keys can be eliminated completely without costly changes to locks and keys.

Feature summary

- battery-free programmable electromechanical lock cylinder for iLOQ S50 locking system
- NFC-powered: no batteries required for the lock
- Opening with NFC enabled Android or iOS phone or iLOQ K55S Key Fob
- Secured using powerful AES-256 encryption and mutual authentication
- Compatible with EN 15684 / DIN 18252 Europrofile cylinder standard
- Lengths available in 5 mm steps up to 100 mm (knob side)
- 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 (Android/iOS phone or K55S Key Fob)
- Firmware updateable

Dimensional drawing



Memory capacity

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

Technical data

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|---------------------------------|--------------|
| Ingress protection rating | IP55 |
| Reader type | Short reader |
| Surface treatment | Satin chrome |
| Maximum temperature | 65°C |
| Minimum temperature | -25°C |

Certificates

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| Category of use (EN 15684:2013-01) | Class 1 |
| Durability (EN 15684:2013-01) | Grade 6 |
| Electronic key related security (EN 15684:2013-01) | Class F |
| Environmental resistance (EN 15684:2013-01) | Class 4 |
| Fire/smoke resistance (EN 15684:2013-01) | Class B |
| Mechanical key related security (EN 15684:2013-01) | Grade A |
| System management (EN 15684:2013-01) | Grade 3 |