

## D50S.711.SD.70 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.

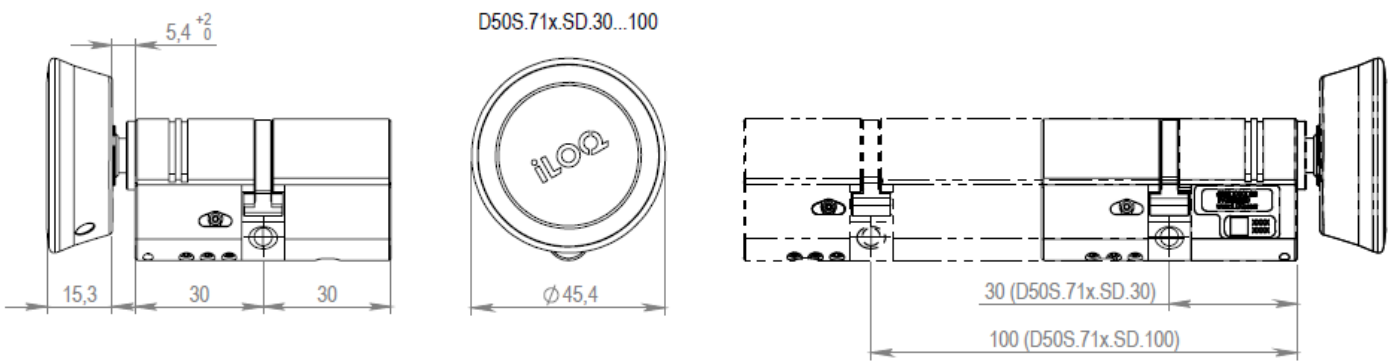
The iLOQ S50 doesn't have a keyway due to contactless NFC technology. The lock is designed for exposure to harsh environments and extreme climates, while remaining water-resistant and dustproof.

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

|                            |     |
|----------------------------|-----|
| 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                       | IP55         |
| Reader type                                     | Short reader |
| Surface treatment                               | Satin chrome |
| Maximum temperature                             | 65°C         |
| Minimum temperature                             | -25°C        |
| Attack resistance (EN 15684:2020)               | Grade 0      |
| Category of use (EN 15684:2020)                 | Grade 1      |
| Credential related security (EN 15684:2020)     | Grade D      |
| Durability (EN 15684:2020)                      | Grade 6      |
| Environmental resistance (EN 15684:2020)        | Grade 4      |
| Fire/smoke resistance (EN 15684:2020)           | Grade B      |
| Mechanical key related security (EN 15684:2020) | Grade 0      |
| System management (EN 15684:2020)               | Grade 3      |
| Other certificates                              | FCC, ISED    |