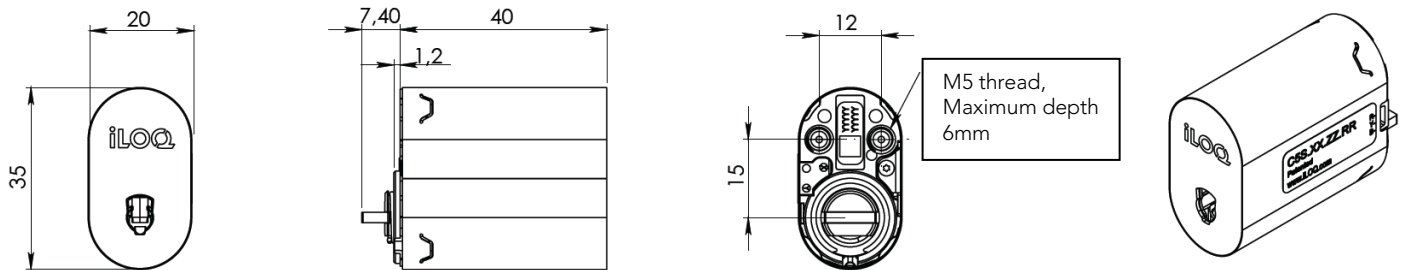


SCANDINAVIAN OVAL LOCK CYLINDER

C5S.1, C5S.10, C5S.2, C5S.20, C5S.2C ja C5S.20C



Overview

The self-powered iLOQ S5 is a next-generation locking system that replaces difficult-to-manage mechanical locks and electromechanical locks that depend on an external power source such as batteries. The highly encrypted system enables flexible and secure access management and maintains high security in demanding properties such as commercial real estate, office buildings and housing associations.

The iLOQ C5S lock cylinders get their energy from the motion of inserting the key into the lock cylinder. This eliminates the need for any type of batteries or cabling. Because no batteries are needed, maintenance and lifecycle costs are significantly lower than mechanical or battery-operated electromechanical locking systems.

The lock cylinders operate as part of the iLOQ D2D network, which makes it quick and easy to remove lost keys from the system, change access rights and track log events.

The iLOQ S5 product family covers door locks, padlocks and furniture locks, as well as the necessary fittings and mounting accessories. The iLOQ S5 can also be expanded into a remote access control system with iLOQ Online products.

iLOQ C5S.1/10 Scandinavian oval lock cylinders in brief

- battery-free digital lock cylinder for iLOQ S5 locking system
- lock does not need batteries or cables
- powerful and secure AES256 encryption for common lock and key authentication
- as part of the D2D network, it acts as an information receiver and data sharer
- initial programming via PC using the iLOQ P55S.1 programming key connected to the server
- lock can be set with access areas for lock groups or individual locks
- programmable lock opens with a compatible K5S key
- blocked list for single lost keys
- log memory for openings and opening attempts (timestamps with RTC)
- supports time constraints in the form of time profiles (with RTC)
- updatable firmware

Product versions

C5S.1.SB.....	Scandinavian oval lock cylinder with Finnish tail piece, outdoor use
C5S.10.SB.....	Scandinavian oval lock cylinder with Finnish tail piece, indoor use
C5S.1.SB.SE	Scandinavian oval lock cylinder with Swedish tail piece, outdoor use.
C5S.10.SB.SE	Scandinavian oval lock cylinder with a Swedish tail piece, indoor use
Other versions.....	C5S.2.xx and C5S.20.xx – Lock cylinder with connector
.....	C5S.2C.xx ja C5S.20C.xx – Lock cylinder with connector and RTC
Surface treatments.....	SB – Nickel satin, RST
.....	BP – Polished brass
.....	BB – Brushed brass

Memory capacity

Amount of access areas.....	210
Number of keys on the blocked list.....	500/zone
Amount of time profiles	10
Event log	at least the 500 most recent events

Technical data (designed to meet the following requirements: certification in progress)

Lock body	Brass (C5S.1) or Zamak (C5S.10)
Durability EN15684:2013-01 (Grades 4-6).....	Grade 6, 100 000 cycles (equivalent to 200 000 openings)
Electronic key-related security EN15684:2013-01 (Grades A-F).....	Grade F (1000 000 000 combinations, secured communication)
Category of use: EN15684 (Grades 0-1)	Grade 1
Environmental resistance: EN15684 (Grades 0-4).....	Grade 4
System management: EN15684 (Grades 0-3).....	Grade 3
Attack resistance: EN15684 (Grades 0-2)	Grade 2 (*)
Temperature range C5S.1/2/2C.....	-40 °C – +80 °C
Temperature range C5S.10/20/20C.....	-20 °C – +80 °C
Ingress protection rating	IP21
Certificates	EN15684 (pending)

*with appropriate security escutcheons