IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx EESF 25.0004X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2025-06-30		
Applicant:	**iLOQ Oy** Elektroniikkatie 10 Oulu FI-90590 **Finland**		
Equipment:	**Electromechanical Lock. S50 Ex product family, types iLOQ C50S, iLOQ D50S, iLOQ F50S, iLOQ G50S and iLOQ H50S**		
Optional accessory:	N/A		
Type of Protection:	**Intrinsically Safe**		
Marking:	Ex ib IIB T6 Gb Ex ib IIIC T85 °C Db		

Approved for issue on behalf of the IECEx Certification Body: **Jenni Hirvelä**

Position: **Senior Expert**

Signature: (for printed version)

Date: (for printed version) 2025-06-30

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

Eurofins Electric & Electronics Finland Oy
Kivimiehentie 4
Espoo FI-02150
Finland

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Certificate No.: **IECEx EESF 25.0004X**

Date of issue: 2025-06-30 Issue No: 0

Manufacturer: **iLOQ Oy**
Elektroniikkatie 10
Oulu FI-90590
Finland

Manufacturing locations: **iLOQ Oy**
Elektroniikkatie 10
Oulu FI-90590
Finland

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2023 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

FI/EESF/ExTR25.0005/00

Quality Assessment Report:

FI/EESF/QAR24.0001/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Electromechanical Lock. S50 Ex product family, types iLOQ C50S, iLOQ D50S, iLOQ F50S, iLOQ G50S and iLOQ H50S.

The iLOQ S50 is a smart locking system that uses a smartphone's NFC to power and unlock locks without batteries or physical keys. It enables secure, real-time access management through a cloud-based platform, ideal for critical infrastructure and utility services.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The maximum allowed ambient temperature ranges for iLOQ S50 Ex models are:
   - C50S.xxx.xx.xx: -40 °C…70 °C
   - D50S.xxx.xx: -25 °C…65 °C
   - F50S.xxx.xx: -40 °C…70 °C
   - G50S.xxx: -35 °C…60 °C
   - H50S.xxx.xx.xx: -40 °C…70 °C
2. Installation is only allowed to be done by trained personnel.
3. Repairs of the product are not allowed. Do not use a damaged or malfunctioning product.
4. The iLOQ P55S Programming Key shall not be used in hazardous area. Before programming the padlock shall be in safe area.
5. Make sure that the door has Equipotential Bonding connected to local earthing to avoid possible buildup of electrostatic discharge (ESD) on the door.
6. Use the accessory chain in cases where the padlock could fall and hit metal surfaces, causing sparks, and therefore risk of explosion.
7. The NFC device for operating the lock shall be Ex-certified in accordance with place of installation of the lock. The Equipment protection level of the NFC device shall be at least EPL Gb or EPL Db.