



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 LCIE 25.0015X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-01-28

Applicant: **SOLOON CONTROLS (BEIJING) CO., LTD.**
No.15 Xingsheng Street, Economy and Technology Development District, Beijing
China

Equipment: **Explosion-proof Damper Actuator - Type: ExS6061Pro-***F*-*/***

Optional accessory:

Type of Protection: **Ex db and Ex tb**

Marking: Ex db IIC T6 Gb
Ex tb IIIC T85°C Db
(See the attachment for full marking)

Approved for issue on behalf of the IECEx
Certification Body:

Jérôme REYSSON

Position:

Certification Officer

Signature:
(for printed version)



Date:
(for printed version)

2026-01-28

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Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **SOLOON CONTROLS (BEIJING) CO., LTD.**
No.15 Xingsheng Street, Economy and Technology Development District, Beijing
China

Manufacturing
locations: **SOLOON CONTROLS (BEIJING)
CO., LTD.**
No.15 Xingsheng Street, Economy and
Technology Development District,
Beijing
China

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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:

[FR/LCIE/ExTR25.0037/00](#)

Quality Assessment Report:

[FR/LCIE/QAR16.0009/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Explosion-proof damper actuator with Ex type of protection Ex db and Ex tb is used to control the damper in the hazardous area.

The external enclosure which is composed of a lower and upper shell Ex tb. The internal enclosure with Ex db is located inside the external enclosure. The internal enclosure is composed of explosion bottom shell and explosion up shell. The motor and PCB are installed inside the internal enclosure.

The external enclosure Ex tb is available for two different sizes in order to mount gearbox mechanism. The gearbox can regulate the value of output torque. The internal enclosure with type db has two structures which are used for fast running and non-fast running.

Two M16X1.5 entry holes are provided at the lower shell to installed certified cable gland. The cable at the entry of the internal enclosure is sealed by epoxy resin.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The flameproof joint cannot be repaired.
- The entry shall be equipped with Ex certified cable glands or blanking elements with a compatible mode of protection for the intended use.
- When assembly, operation and maintenance, the operator should follow the requirements of IEC 60079-14 standard, beside of the instruction manual.
- Repair and overhaul shall comply with IEC 60079-19 standard.
- The product cannot be used in pneumatic transmission of particle or process of repeated contact separation, refer to the user manual.

Annex:

[Annex 01 to Certificate IECEx LCIE 25.0015X issue 0.pdf](#)



Annex 01 to Certificate IECEx LCIE 25.0015X issue 00



FULL EQUIPMENT DESCRIPTION

Explosion-proof damper actuator with Ex type of protection Ex db and Ex tb is used to control the damper in the hazardous area.

The external enclosure which is composed of a lower and upper shell Ex tb. The internal enclosure with Ex db is located inside the external enclosure. The internal enclosure is composed of explosion bottom shell and explosion up shell. The motor and PCB are installed inside the internal enclosure.

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Two M16X1.5 entry holes are provided at the lower shell to installed certified cable gland. The cable at the entry of the internal enclosure is sealed by epoxy resin.

MARKING

SOLOON CONTROLS (BEIJING) CO., LTD. or SOLOON

Address: ...

Type: ExS6061Pro-***F*.*/*⁽¹⁾

Serial number: ...

Year of construction: ...

Ex db IIC T6 Gb

Ex tb IIIC T85°C Db

IECEx LCIE 25.0015X

-30°C ≤ Tamb ≤ +60°C

WARNING – POTENTIAL ELECTROSTATIC HAZARD – SEE INSTRUCTIONS.

⁽¹⁾: completed with type designation.

RANGE DETAILS

ExS6061Pro-123F456

- 1 - SF: Fire smoke with spring
NS: Fire smoke without spring
- 2 - Torque (Nm):
05, 10, 15, 20, 30, 40, 50, 60 (for SF models)
10, 20, 30, 40, 50, 75, 100, 150 (for NS models)
- 3 - Control:
A: modulating
D: ON/OFF
- F - F: with two auxiliary switches
- 4 - K: fast running
N/A: non-fast running
- 5 - Spring return time (s):
5, 3, 1 (for SFxxDFK models)
N/A (for other models)
- 6 - Voltage:
24V : AC/DC24V
AC : AC110-240V



Annex 01 to Certificate IECEx LCIE 25.0015X issue 00



RATINGS

Rated voltage : 24 V AC/DC or 110-240 V AC
Rated frequency : 50-60 Hz
Rated power : 7-20 W

ROUTINE TESTS

None.