



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 21.0023X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-12-03
Applicant: **SOLOON CONTROLS (BEIJING) CO., LTD.**
No.15 Xingsheng Street, Economy and Technology Development District, Beijing
China
Equipment: **Explosion-proof Actuator - Type: ExS6061 series**
Optional accessory:
Type of Protection: **Ex db and Ex tb**
Marking: **Ex db IIB T6 Gb**
Ex tb IIIC T80°C Db
(Refer to attachment for full marking).

Approved for issue on behalf of the IECEX
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

Signature:
(for printed version)


2021-12-03
**LABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES**
S.A.S au capital de 15.745.984 €
RCS NANTON B 408 389 774
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Date:

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:

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

Additional
manufacturing
locations:

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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR21.0059/00

Quality Assessment Report:

FR/LCIE/QAR16.0009/04



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ExS6061 series explosion-proof actuator is consisted of lower shell, upper shell, electric machine assembly, output shaft and manual lever. One threaded entry is provided on upper shell, where suitable certified cable gland should be installed.

The shell is made of ADC12. Seal strip or seal ring is used for sealing of the shell, the shaft and the manual lever.

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, beside of the instruction manual.
- Repair and overhaul shall comply with IEC 60079-19.
- 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 21.0023X.pdf



Annex 01 to Certificate IECEX LCIE 21.0023X issue 00



MARKING

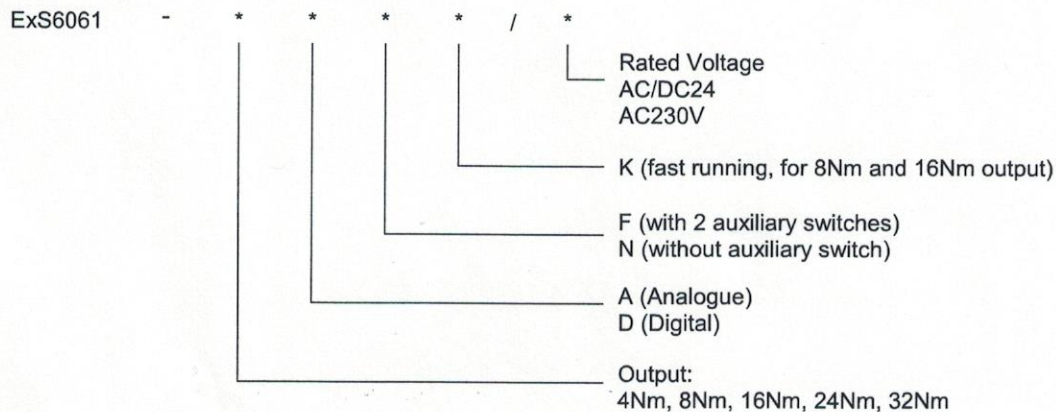
SOLOON CONTROLS (BEIJING) CO., LTD. Or

SOLOON

Address : ...
Type : ExS6061...
Serial number : ...
Year of construction :
Ex db IIB T6 Gb
Ex tb IIIC T80°C Db
-20°C ≤ Ta ≤ +60°C
IECEX LCIE 21.0023X
Entry: M20x1.5

WARNINGS –
AFTER DE-ENERGIZING, DELAY 25 MINUTES BEFORE OPENING.
POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
CAUTION- USE FASTENERS WITH YIELD STRESS ≥ 450MPa.

RANGE DETAILS



RATINGS

Regular type:

1. ExS6061-(04/08/16/24)A
Rated voltage: AC/DC 24V and AC230V 50/60Hz
Power consumption nominal torque (W): 4.0(24V); 4.8(230V);
Power consumption holding(W): 0.7(24V);1.0(230V);
2. ExS6061-32A
Rated voltage: AC/DC 24V 50/60Hz only
Power consumption nominal torque (W): 2.5;
Power consumption holding(W): 0.3;
3. ExS6061-(04/08/16/24/32)D
Rated voltage: AC/DC 24V and AC230V 50/60Hz
Power consumption nominal torque (W): 3.9(24V); 4.8(230V);
Power consumption holding(W): 0.4(24V); 1.2(230V);



**Annex 01 to Certificate
IECEx LCIE 21.0023X issue 00**



Fast running type:

1. ExS6061-(08/16)AN(F)K

Rated voltage: AC/DC 24V 50/60Hz

Power consumption nominal torque (W): 8.5;

Power consumption holding(W): 0.7;

2. ExS6061-(08/16)DN(F)K

Rated voltage: AC/DC 24V 50/60Hz; AC230V 50/60Hz

Power consumption nominal torque (W): 7.5(24V); 10.5(230V);

Power consumption holding(W): 0.5(24V);2.5(230V);

ROUTINE TESTS

None.