



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 DEK 19.0088X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2020-03-05)
Status:	Current	Issue No: 1	
Date of Issue:	2021-03-09		
Applicant:	NOAH ACTUATION Co., Ltd. 11, Jeongseojin9-ro, Seo-gu Incheon 22850 Korea, Republic of		
Equipment:	Electric Actuators, Type SA05X-** and SA09X-**		
Optional accessory:			
Type of Protection:	Ex db		
Marking:	Ex db IIB T6 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-03-09

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Certificate No.: **IECEx DEK 19.0088X**

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Issue No: 1

Manufacturer: **NOAH ACTUATION Co., Ltd.**
11, Jeongseojin9-ro, Seo-gu
Incheon 22850
Korea, Republic of

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

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:

[NL/DEK/ExTR19.0110/01](#)

Quality Assessment Report:

[NO/NEM/QAR14.0004/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Electric Actuators, type SA05X-** and SA09X-** are designed for quarter turn operating applications such as ball, butterfly and plug valves, dampers and similar usages. The actuators incorporate a spur gear assembly, a manual socket, a position indicator and a drive motor.

The Electric Actuators, type SA05X-** and SA09X-** are in type of protection Ex db.

The enclosure of type SA05X-** and SA09X-** have the geometrically same enclosure, flameproof joints and internal volume. Only difference is torque outputs which come from the different gear ratio.

Process temperature of the pipelines to which the actuator is connected shall be below +55 °C or the installation shall be so arranged that the temperature of the stem at the bottom of the actuator is below +55 °C.

Ambient temperature range -20 °C to +55 °C.

For details about the type designation and electrical data see Annex 1 to Report No. NL/DEK/ExTR19.0110/01.

SPECIFIC CONDITIONS OF USE: YES as shown below:

For details on the flamepaths, the manufacturer shall be contacted.

Fasteners with property class A2-50 shall be used.

The actuator shall be installed in the vertical or horizontal position only.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 0 Initial issue

Issue 1 Addition of option code "A"

Annex:

[510052500-Annex1.pdf](#)