

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 10ATEX0107 X** Issue Number: **4**

(4) Product: **Electric Actuators, Type SA05X-** and SA09X-****

(5) Manufacturer: **NOAH ACTUATION CO., LTD.**

(6) Address: **11, Jeongseojin9-ro, Seo-gu, Incheon, 22850, Republic of Korea**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR19.0110/01

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-1 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex db IIB T6 Gb

Date of certification: 9 March 2021

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 10ATEX0107 X**

Issue No. 4

(15) **Description**

The Electric Actuators, type SA05X-** and SA09X-** are designed for quarter turn operation 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 more information see Annex 1 to Report No. NL/DEK/ExTR19.0110/01.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR19.0110/01.

(17) **Specific conditions of use**

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.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR19.0110/01.

(20) **Certificate history**

Issue 1 - 213568700	Initial certificate
Issue 2 - 510016700-1	Change of the manufacturer's name and address.
Issue 3 - 510041200	Assessment in accordance with newer edition of standards
	Change of temperature class
	Addition of new option
	Minor modifications.
Issue 4 - 510052500	Option code "A" added.