

# 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: **DEKRA 12ATEX0136 X** Issue Number: **2**

(4) Product: **Electric Actuator, Series SR...-**

(5) Manufacturer: **NOAH ACTUATION Co., Ltd.**

(6) Address: **47, Gilju-ro 425beon-gil, Bucheon-si, Gyeonggi-do, 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 215437700 issue 2.

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

**IEC 60079-0 : 2011**

**EN 13463-1 : 2009**

**EN 60079-0 : 2009**

**EN 13463-3 : 2005**

**EN 60079-1 : 2007**

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 d IIB T4 Gb**

Date of certification: 11 July 2017

DEKRA Certification B.V.

L.G. van Schie  
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 12ATEX0136 X**

Issue No. 2

(15) **Description**

Electric actuators, Series SR... are designed for quarter turn operating applications such as ball, butterfly, plug valves, dampers and similar usages. The actuators incorporate worm gear assembly, manual handle, position indicator, drive motor and etc.

The lower part of the non-electrical attachment contains a return spring, which is used for returning the valve position to its set open or close position in case of power stoppage.

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

Process temperature range: -20 °C to +80 °C.

**Electrical data**

Type SR...-B. 110 Vac 1 Ph 50/60 Hz

Type SR...-C. 120 Vac 1 Ph 60 Hz

Type SR...-D. 220 Vac 1 Ph 50/60 Hz

Type SR...-E. 230 Vac 1 Ph 50 Hz

Type SR...-F. 380 Vac 3 Ph 50/60 Hz

Type SR...-G. 440 Vac 3 Ph 50/60 Hz

Type SR...-M. 24 Vdc

Duty cycle per IEC 60034-1: S2 15 min

**Installation instructions**

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

(16) **Report Number**

No. 215437700 issue 2.

(17) **Specific conditions of use**

- For details on the flamepaths, the manufacturer shall be contacted.
- Fasteners with property class A2-50, A2-70 and 12.9 shall be used as shown in the instructions.
- Cable and cable glands suitable for at least 105 °C shall be used.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 215437700 issue 2.

(20) **Certificate history**

Issue 0 - 215437700 Initial certificate

Issue 1 - 510016700-3 Change of the manufacturer's name and address.