



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEx DEK 24.0024X</b>	Page 1 of 3	<a href="#">Certificate history:</a>
Status:	<b>Current</b>	Issue No: 0	
Date of Issue:	2024-09-02		
Applicant:	<b>NOAH ACTUATION CO., LTD</b> 11, Jeongseojin 9-ro, Seo-gu Incheon 22850 <b>Korea, Republic of</b>		
Equipment:	<b>Electric Actuator, Series SR..X-..</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof enclosures "d"</b>		
Marking:	<b>Ex db h IIB T6...T4 Gb</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

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**Meander 1051**  
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**Netherlands**





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Manufacturer: **NOAH ACTUATION CO., LTD**  
11, Jeongseojin 9-ro, Seo-gu  
Incheon 22850  
**Korea, Republic of**

Manufacturing locations: **NOAH ACTUATION CO., LTD**  
11, Jeongseojin 9-ro, Seo-gu  
Incheon 22850  
**Korea, Republic of**

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

**ISO 80079-36:2016** Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements  
Edition:1.0

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/ExTR24.0029/00**

Quality Assessment Report:

**NO/NEM/QAR14.0004/06**



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Electric Actuators, Series SR..X-.. are designed for quarter turn operating applications such as ball, butterfly, and plug valves, dampers and similar usages.

The top part of the Electric Actuator is an electrical part in type of protection flameproof enclosures "d". It contains an electric motor and control electronics.

The lower part of the Electric Actuator is a non-electrical part in type of protection flameproof enclosures which is marked "h", obtained by protection by flameproof enclosure "d". It contains a return spring, which is used for returning the valve position to its set open or close position in case of power stoppage.

For details about thermal data, type designation and electrical data see Annex 1 to Report No. NL/DEK/ExTR24.0029/00.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. For details on the flamepaths, the manufacturer shall be contacted.
2. Fasteners with property class A2-50, A2-70 and 12.9 shall be used as shown in the instructions.

## **Annex:**

[510092700-Annex 1.pdf](#)

### Thermal data

Ambient temperature range -20 °C to +55 °C  
 Process temperature range -20 °C to +60 °C for T6  
 -20 °C to +80 °C for T5/T4

### Electrical data

Type SR..X-B. 110 Vac, 1 Ph, 50/60 Hz  
 Type SR..X-C. 120 Vac, 1 Ph, 60 Hz  
 Type SR..X-D. 220 Vac, 1 Ph, 50/60 Hz  
 Type SR..X-E. 230 Vac, 1 Ph, 50 Hz  
 Type SR..X-G. 380 Vac, 3 Ph, 50/60 Hz  
 Type SR..X-I. 440 Vac, 3 Ph, 50/60 Hz  
 Type SR..X-M. 24 Vdc

Duty cycle per IEC 60034-1: S2 15 min

### Type designation

SR .. X - . .  
 (a) (b) (c)

Part	Subject	Value
(a)	2 digits for output torque	05: 50 Nm, 10: 100 Nm, 20: 200 Nm, 30: 300 Nm, 50: 500 Nm
(b)	Input voltage	B: 110 Vac, 1 Ph, 50/60 Hz, C: 120 Vac, 1 Ph, 60 Hz, D: 220 Vac, 1 Ph, 50/60 Hz, E: 230 Vac, 1 Ph, 50 Hz, G: 380 Vac, 3 Ph, 50/60 Hz, I: 440 Vac, 3 Ph, 50/60 Hz, M: 24 Vdc
(c)	Software option	A: On/Off (standard model), B: ALS (Auxiliary Open & Close Limit Switches, Dry contact), D: PIU (Potentiometer: 0~1 kΩ), E: CPT (Current Position Transmitter: 4~20 mA), F: PCU (Proportional Control Unit: 4~20 mA), L: MOD BUS, M: PROFI BUS, N: CAN BUS