



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 KTL 19.0021X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2019-10-18)
Status:	Current	Issue No: 1	
Date of Issue:	2021-08-30		
Applicant:	NOAH ACTUATION CO., LTD 11, Jeongseojin 9-ro, Seo-gu Incheon 22850 Korea, Republic of		
Equipment:	Electrical actuator, NA series		
Optional accessory:			
Type of Protection:	Flameproof enclosure "d"		
Marking:	Ex db IIC T6/T5/T4 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

Park, Jong-koo

Position:

Certification Manager

Signature:
(for printed version)

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:

Korea Testing Laboratory
87, Digital-ro, 26-gil, Guro-gu
Seoul
Korea, Republic of





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Manufacturer: **NOAH ACTUATION CO., LTD**
11, Jeongseojin 9-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 Reports:

[KR/KTL/ExTR19.0021/00](#)

[KR/KTL/ExTR19.0021/01](#)

Quality Assessment Reports:

[NO/NEM/QAR14.0004/03](#)

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Electrical actuators, NA series comprises top cover with window and body.

NA series comprises 11 models, NA006, NA009, NA015, NA019, NA028, NA038, NA050, NA060, NA080, NA100 to NA120, based on the different body sizes and torque outputs. NA006 and NA009 are from the same body size named "BODY 01". NA015 and NA019 are from the same body size named "BODY 02". NA028, NA038 and NA050 are from the same body size named "BODY 03". NA060, NA080, NA100 and NA120 are from the same body size named "BODY 04". The assessment for flameproof enclosures by IEC 60079-1, therefore, deals with these 4 enclosure sizes of BODY 01, BODY 02, BODY 03, and BODY 04. Process temperature of the pipelines to which the actuator is connected shall be same as ambient temperature or the installation shall be so arranged that the temperature of the stem at the bottom of the actuator is the same as ambient temperature.

The ambient temperature

-40 °C to +55 °C (T6)

-40 °C to +70 °C (T5/T4) .

The electrical data

Input voltage: See the below type designation table.

Duty cycle: S2 15 min (IEC 60034-1)

Type designation

NA(aaa)-(b)(c)

(aaa) Output Torque

006(60 Nm), 009(90 Nm), 015(150 Nm), 019(190 Nm), 028(280 Nm), 038(380 Nm), 050(500 Nm), 060(600 Nm), 080(800 Nm), 100(1000 Nm), 120(1200 Nm)

(b) Rated Voltage

B(1 Ph, 110 Vac, 50/60 Hz), D(1 Ph, 220 Vac, 50/60 Hz), G(3 Ph, 380 Vac, 50/60 Hz), I(3 Ph, 440 Vac, 50/60 Hz), J(3 Ph, 460 Vac, 50/60 Hz), K(3 ph, 480 Vac, 50/60 Hz), M(24 Vdc)

(c) Software Option

A(On-Off), B(ALS), C(ATS), D(PIU), E(CPT), F(PCU), O(EXT), L(Mod-Bus), M(Profi-Bus)

SPECIFIC CONDITIONS OF USE: YES as shown below:

- For details on the flamepaths, the manufacturer shall be contacted.
- Fasteners with property class A2-50 for motor cover and terminal cover shall be used.
- The equipment has restrictions on the installation position (Refer to the instruction manual).
- Cable and cable glands suitable for at least 82 °C shall be used.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue no. 1 (2021.08.30)

1. The latest edition of the standard has been applied. (IEC 60079-0:2017)
2. The new type of designations which employ new modules (for 460 Vac, 480 Vac) has been added.