

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 19ATEX0128 X** Issue Number: **0**

(4) Product: **Electrical actuator, Type NA***.****

(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 510040400 Issue 0.

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

EN 60079-0 : 2012 + A11 : 2013

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 IIC T6...T4 Gb

Date of certification: 14 February 2020

DEKRA Certification B.V.

L.G. van Schie
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 19ATEX0128 X**

Issue No. **0**

(15) **Description**

Electrical actuators, Type NA***-** comprised a top cover with a window and a main body are designed for the automation of 90 degree rotating equipment.

Electrical actuators have 11 models, NA006, NA009, NA015, NA019, NA028, NA038, NA050, NA060, NA080, NA100 and NA120, based on the different sizes and torque outputs.

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 same as ambient temperature.

Ambient temperature range -40 °C to +55 °C for T6
 -40 °C to +70 °C for T5/T4

Electrical data

Type NA***-B* 1 Phase 110 Vac, 50/60 Hz
 Type NA***-D* 1 Phase 220 Vac, 50/60 Hz
 Type NA***-G* 3 Phase 380 Vac, 50/60 Hz
 Type NA***-I* 3 Phase 440 Vac, 50/60 Hz
 Type NA***-M* 24 Vdc

Duty cycle per IEC 60034-1: S2 15 min

Type designation

NA *** - * *
 (a) (b) (c)

Part	Subject	Value			
(a)	Output torque	006: 60 Nm, 019: 190 Nm, 050: 500 Nm, 100: 1000 Nm,	009: 90 Nm, 028: 280 Nm, 060: 600 Nm, 120: 1200 Nm	015: 150 Nm 038: 380 Nm, 080: 800 Nm,	
(b)	Input voltage	B: 1 Phase 110 Vac, 50/60 Hz, D: 1 Phase 220 Vac, 50/60 Hz, G: 3 Phase 380 Vac, 50/60 Hz, I: 3 Phase 440 Vac, 50/60 Hz, M: 24 Vdc			
(c)	Software option	A: On/Off (standard model), B: ALS (Auxiliary Open & Close Limit Switches, Dry contact), C: ATS (Auxiliary Open & Close Torque 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), O: EXT (Travel Angle 120 °C, 135 °C, 180 °C, 270 °C), L: Mod-Bus, M: Profi-Bus			

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 19ATEX0128 X**

Issue No. **0**

Installation instructions

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

(16) **Report Number**

No. 510040400, Issue 0.

(17) **Specific conditions of use**

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

Fasteners with property class A2-50 for motor cover and terminal cover be used.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 510040400, Issue 0.

(20) **Certificate history**

Issue 0 - 510040400 Initial certificate.