

# Type Approval Certificate



[ Electric Actuator ]

**Initial Approval** 2 January 2020  
**Manufacturer** Noah Actuation Co., Ltd.  
11 Jeongseojin 9-ro, Seo-gu, Incheon, 22850, Republic of Korea  
**Product Description** Type : SA005, SA05X

" See Appendix 1 "

**Approval Condition** " See Appendix 1 "

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 1 January 2030

Issued at Incheon, Korea on 23 December 2024



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME25001281379) and certificate No.(INC41106-AE001).



**KOREAN REGISTER**

*General Manager of  
Incheon Branch Office*

**Note :** 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.  
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.  
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.  
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 23 December 2024

### A. Product Description

#### 1. Product Specification

- 1) Power supply : 1 Phase 110/220V AC, 50/60Hz
- 2) Output torque : 50 Nm
- 3) Limit switches : 2 open/close + Dry contact 2 open/close
- 4) Degree of protection : IP67
- 5) Ex-proof type : Ex d IIB T6 for SA05X
- 6) Manual operation : by L-wrench

#### 2. Approved Drawings and Documents

- 1) Catalogues for SA005 and SA05X
- 2) Test plan No. NOAH-TA-01 dated 2019.09.06
- 3) Drawing No. S005-101-C dated 2016.03.08, No. S05X-101-B dated 2014.04.14

#### 3. Test Reports, etc.

- 1) Test Reports
  - ONETECH Test Report No. OT-19N-RRD-036 dated 2019.11.28
  - ONETECH Test Report No. OT-19N-RED-083 dated 2019.11.18
  - ONETECH Test Report No. OT-19N-RED-091 dated 2019.11.18
  - Noah Actuation Test Report No. NOAH-TR-021 dated 2019.10.11
- 2) Ex-proof certificate
  - IECEx DEK 19.0088X Issue No.1
  - KEMA 10ATEX0107X Issue No.4
- 3) Other documents and drawings
  - SA-Series Manual Ver.1
  - SA-Series EXP Manual Ver.4
  - Drawing No. SA5-BLO Rev.A dated 2019.08.06
  - Drawing No. SA05-SPA.L-A dated 2017.11.07
  - Drawing No. SA05X-SPA.L-A dated 2017.11.07
  - Drawing No. ST-12000-A dated 2005.06.01

### B. Approval Condition

#### 1. Application & Limitation

- 1) This Approval is granted on the basis of the test reports and the approved documentation.
- 2) The manufacturer should inform this Society of all kinds of revisions of the equipment. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 3) Explosion-proof certification by a notified/recognized Certification Body is not covered by this certificate. Ratings and Special Condition for Safe Use in hazardous areas are to be obtained from the relevant valid Ex-Certificate.

#### 2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.

#### 3. Marking

- 1) The product or packing is to be marked with manufacturer name and type designation on a suitable position.

#### 4. Others

- 1) Test condition

Test	Condition	Remark
EMC	All locations excluding the bridge and deck zone	Up to 6GHz
Temperature	+5 ~ +70°C (SA005) / +5 ~ +55°C (SA05X)	-
Vibration	Acceleration $\pm 0.7g$	-
Degree of protection	IP67	-

&lt; End of Certificate &gt;