



# TÜRK LOYDU

## TYPE APPROVAL CERTIFICATE

This is to certify that the

### Electrical Actuators

TL Project No	23-2712
Manufacturer	NOAH ACTUATION CO. LTD.
Address	11 Jeongseojin-9ro, Seo-gu, Incheon, Korea(22850)
Product Type	MA, NA, SR, SA, SA-Ex Series
Reference Rule	TL Rules, Part B, Chapter 5, Electric, 01.07.2022 TL Rules, Part B, Chapter 4, Machinery, 01.07.2023 TSE EN ISO 22153 Electric Actuators for Industrial Valves, 06.05.2021 IACS UR E10 Rev.9 , 09.08.2023
Expire Date of Previous Certificate	10.07.2023
Place and Date	İSTANBUL / 29.01.2025

Subject to the conditions referred to in the following pages, this certificate is valid until 10.07.2028.

Emrah SÖĞÜTÇÜ

New Building Division Manager



This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.

15. Ingress Protection IP Test Report (IP68) for MA Type Act., Report No.:21-065235-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 13.10.2021
16. Ingress Protection IP Test Report (IP68) for NA Type Act., Report No.:23-048129-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 31.07.2023
17. Ingress Protection IP Test Report (IP68) for NA Type Act., Report No.:18-005844-03-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 13.02.2018
18. Ingress Protection IP Test Report (IP68) for NA Type Act., Report No.:23-048130-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 31.07.2023
19. Ingress Protection IP Test Report (IP68) for NA Type Act., Report No.:23-048131-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 31.07.2023
20. Ingress Protection IP Test Report (IP68) for NA Type Act., Report No.:24-035710-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 10.06.2024
21. Ingress Protection IP Test Report (IP68) for SR Type Act., Report No.:24-019543-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 27.03.2024
22. Ingress Protection IP Test Report (IP67) for SA Type Act., Report No.:17-062415-06-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 22.11.2017
23. Ingress Protection IP Test Report (IP68) for SA Type Act., Report No.:17-062415-01-2, Issued By KTL Permanent Test Lab Korea Testing Laboratory, 23.11.2017
24. EU Type Examination Certificate For MA Type Act., No. DEKRA 18 ATEX 0022X, Issued by DEKRA, 02.12.2021
25. EU Type Examination Certificate For NA Type Act., No. DEKRA 22 ATEX 0018X, Issued by DEKRA, 01.08.2022
26. EU Type Examination Certificate For SA Type Act., No. KEMA 10 ATEX 0107X, Issued by DEKRA, 09.03.2021
27. EU Type Examination Certificate For SR Type Act., No. DEKRA 12 ATEX 0136X, Issued by DEKRA, 12.11.2020

**Performed Tests**

- : Quality Audits  
 Review of Calibration and Sub-Component Certificate  
 - Review of ATEX Module B Certificate  
 Review of Following Type Test Reports;  
 - Review of IP Degree Test Report  
 - Review of Endurance Test Report  
 - Functional Testing During Environmental Test Sequences  
 - Power Supply Voltage Variation Test  
 - Power Supply Failure Test  
 - Vibration Test  
 - Inclination Test  
 - Shock Test  
 - Insulation Resistance Test  
 - Damp Heat Test  
 - Dry Heat Test  
 - Low Temperature Test



Surveyor Name : Abdullah DEMİRCİ

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8	NA009	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	90 Nm	S4 50%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
9	NA015	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	150 Nm	S4 50%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
10	NA019	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	190 Nm	S4 50%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
11	NA028	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	280 Nm	S4 50%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
12	NA038	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	380 Nm	S4 30%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
13	NA050	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	500 Nm	S4 25%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
14	NA060	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	600 Nm	S4 25%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
15	NA080	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	800 Nm	S4 25%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
16	NA100	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	1000 Nm	S4 25%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
17	NA150	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	1500 Nm	S4 25%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)
18	NA200	IP68	110/220/380/440 VAC, 24 VAC/VDC Optional	2000 Nm	S4 25%	-20°C to +70°C , 150°C / 1hr (Option: - 60°C, 400°C / 1hr)

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actual application is to be submitted for approval by the manufacturer of the application system in each case.

2. Ex installations to be approved in each case according to Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

3. Ex-certification is not covered by this certificate, which is for information only, is based on information received from the manufacturer, but not verified by TÜRK LOYDU.

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