Certificate No: LR26253387TA
Issue Date: 14/12/2025
Expiry Date: 13/12/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Emerson Valve Automation Inc.**
Address	19200 NW Freeway, Houston, TX, 77065, United States
Place of Production	Emerson Process Management (Tianjin) Valves Co., Ltd. No. 15 Xing Wang Road, Wuqing Development Area, Tianjin, 301700, China
Type	Actuator
Description	Quarter turn, scotch yoke, pneumatic or hydraulic actuators, flanged and external tie bar, spring return or double acting G01, G2, G3, G4, G5, G7, G8, G10 and G13 series
Trade Name	G Series
Application	Quarter turn valve actuators for Offshore and Industrial Applications
Specified Standard	UK Department of Energy Statutory Instruments No. 978:1989 Statutory Instrument No. 825:1996
Ratings	See Appendix 1
Additional Tests	Testing in accordance with Lloyd’s Register TA procedure for Actuators

Downloaded Copy

Gopal Nair

Piping & Pressure System Principal Specialist
to Lloyd's Register North America, Inc.
A member of the Lloyd's Register group

REGUS 2600 South Shore Blvd, Suite 300 League
City, Houston, Texas, 77573, United States

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Type Approval Certificate

Other Conditions

1. This type approval may contribute to the requirement of a verification scheme established by a Duty Holder.

2. Below minus 20 degree C, materials of pressure retaining components and torque transmitting components are to be impact tested.

3. Seal compound is to be suitable for the working temperature, refer to manufacturer.

4 For applications on ESD valves the following are the limitations: -

(i) The actuators are to be fireproofed to the same rating of the valves and are to be protected against explosion or impact.
(ii) The actuators are to be spring return self-closing type.
(iii) Suitable local controls are to be provided at the installation to release the hydraulic/pneumatic supply inlet for local closing of the spring return actuators.
(iv) The manual/hydraulic overrides are not to be provided.
(v) The evaluation of the leakage rate of the valve is not part of the actuator approval and is to be verified by the owner/operator.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 96-60075(E8)-04

The Design Appraisal Document TSO/25-047597/ LR26253387TA / PRJ111005070088/GN and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

REGUS 2600 South Shore Blvd, Suite 300 League
City, Houston, Texas, 77573, United States

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.