Certificate No: LR26376468TA
Issue Date: 18/09/2026
Expiry Date: 17/09/2031

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	**AUMA Riester GmbH & Co. KG**
Address	Aumastraße 1, Müllheim, 79379, Germany
Place of Production	AUMA Riester GmbH & Co. KG Daimlerstr. 9, Ostfildern, 73760, Germany
Type	Actuator
Description	Electric actuators. Intended for operation of industrial valves such as butterfly valves, ball valves and gate valves. PROFOX actuators of following types: 1) Multi-turn actuator (Size: PF-M5, PF-M10, PF-M25, PF-M50 and PF-M100) which transmits torque to a valve for at least one full revolution, 2) Part-turn actuator (Size: PF-Q20, PF-Q40, PF-Q80, PF-Q150, PF-Q300 and PF-Q600) for less than one revolution 3) Linear actuator (Size: PF-L2, PF-L3, PF-L6, PF-L10, PF-L15 and PF-L18) Ex Series: 1) Multi-turn actuator (Size: PF-M5X, PF-M10X, PF-M25X, PF-M50X and PF-M100X) 2) Part-turn actuator (Size: PF-Q20X, PF-Q40X, PF-Q80X, PF-Q150X, PF-Q300X and PF-Q600X) 3) Linear actuator (Size: PF-L2X, PF-L3X, PF-L6X, PF-L10X, PF-L15X and PF-L18X) For more details refer to manufacture's manual.

Downloaded Copy

CHETAN WAGH

Senior Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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

Trade Name	PROFOX PF-M, PF-Q and PF-L Series and Ex Series PF-MX, PF-QX and PF-LX
Application	Marine, offshore and industrial applications for use in environmental categories ENV3 and ENV5, as defined in Lloyd's Register Type Approval System, Test Specification No. 1, July 2024.
Specified Standard	1) LR Test Specification No. 1: July 2024, 2) IACS E10, Rev. 10, Aug 2024
Ratings	Power Supply Voltage: 1) 100 - 240 V, 50 - 60 Hz; 2) 24 VDC Ingress protection rating: - IP64 per EN/IEC 60079-0 - IPX6 per EN/IEC 60529 - IPX8 (8m, 96 hours) Ambient temperature of -30 to +70°C (For details of Ambient temperature for EX-Version refer to the Ex certificate)
Other Conditions	1. Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR. 2. If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply. 3. Firmware version: 01-01.xx.yy 4. Low Temperature test @-30°C for 16 hours

Downloaded Copy

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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

5. Damp heat test: Two cycles of 9 hours conducted at Temperature: 55°C and Humidity: 95%.

6. The Ex-certification does not form part of this certificate. Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

7. Specific Conditions of Use as stated in applicable Ex-certificates shall be observed when installed in hazardous areas.

8. Compliance with the electromagnetic emission requirements applicable to General Power Distribution Zones has been demonstrated in accordance with Lloyd's Register Type Approval System, Test Specification No. 1.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document TSO/25-035221-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded copy

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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.