



Certificate No: TO.DEB.20-1823

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 2 pages.

This is to certify that the

ELECTRIC ACTUATORS FOR QUARTERN TURN VALVES

With type designations

PROVAL A 100 SERIES

Manufactured by

DORUK ENDÜSTRİ VANA VE OTOMASYON SİSTEMLERİ LTD. ŞTİ

Is found to comply with

TR RULES PART B, CHAPTER 4 MACHINERY JULY 2020

Application : Suitable for ships applications.
Design : PRO100, PRO400, PRO1700
Sizes : See approved documents
Address of Manufacturer : KOCAELİ KOBİ OSB 1. Cad. 32 Sok. No:10 Dilovası-KOCAELİ
Place and date : İSTANBUL / 09.12.2020

Subject to the conditions referred to in the following pages, this certificate is valid until 18.12.2025

Emrah SÖĞÜTÇÜ
New Building Division Manager



Product description:

Type Designation :

Model Number: PRO 100Q-15-MB, Torque/Op. Time: 85Nm/15 sec. , ISO Flange: F07+F10 11x11, IP/Op. Temp: IP68/-25 To 70⁰ C, Power Supply: 115VAC 10% /60Hz. , Motor/Current: 40W / 0.93A

Model Number: PRO 400Q-7-MB, Torque/Op. Time: 260Nm/8 sec. , ISO Flange: F10 14x14, IP/Op. Temp: IP68/-25 To 70⁰ C, Power Supply: 115VAC 10% /60Hz. , Motor/Current: 120W / 2.3A

Model Number: PRO 1700Q-7, Torque/Op. Time: 620Nm/8 sec. , ISO Flange: F12 22x22, IP/Op. Temp: IP68/-25 To 70⁰ C, Power Supply: 115VAC 10% /60Hz. , Motor/Current: 200W / 4.5A

Materials used : See approved documents


Application/ Limitation (Approval conditions): Not used in explosive areas

Documentation : TL plan approved documents, PAE-EPAS/007597/20-1823/OE 14.10.2020, Test Reports

Test carried out (and results) : Visual and dimension inspection, Function test, TSE IP Test report (IP68), PTC Test Report, METALTEK Test Report Salt Mist. Cyclic, Endurance test according to BS EN 15714-2: 2009

Place of test carried out : Doruk Endüstri Factory-Gebze

Marking of product: The product to be marked same as below mentioned.
Manufacturer's name or trade mark, technical description, Serial number



O. Yalçın YALMAN Act.
Surveyor

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 the 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.