



## *Confirmation of Product Type Approval*

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product. This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 15/JUN/2019. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 16/JUN/2015 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

**Product Name:** Actuator, Electric for Valves  
**Model Name(s):** Series 92 (S92, A92, B92, C92)

**Presented to:**  
ASAHI AMERICA INC.  
35 GREEN STREET  
MALDEN  
United States

<b>Intended Service:</b>	Offshore and Marine Applications - Automating Valves for On/Off Modulating Service.
<b>Description:</b>	Electric Actuators, Motor Type -Reversing, ¼ turn Single Phase
<b>Ratings:</b>	Size: 1½" to 8" (40mm - 200mm) Voltages: 230VAC, 120VAC, 115VAC, 12VDC, 24VDC, 12VAC, 24VAC; 50/60 Hz Operating Temperature Range: 32°F to 150°F Torque: 400 to 2000 in-lb; Enclosure; 4X, 7, 9 See attached "pdf" data sheet for details.
<b>Service Restrictions:</b>	Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. If the subject actuator will be used for automatic remote control, or will be associated with propulsion machinery, then as evidence demonstrating that the actuators have been satisfactorily tested to establish their suitability for intended service is to be provided per 2010 SVR 4-9-2/11.7
<b>Comments:</b>	1) Surveyor to verify per witness or review operation and torque test on actuator, verify performance and conformance to specifications. 2) See attached "pdf" data sheet
<b>Notes / Documentation:</b>	This Product Design Assessment (PDA) is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract

for construction on the date of the ABS Rules used to evaluate the Product. Use in a non-classed vessel, MODU or Facility is to be to the satisfaction of the manufacturer and purchaser. 1) Quality Assurance Notification SIRA 09 ATEX M447 Date initial issue: 27-Oct-2009. Valid until 03-September- 2012. 2) NMTR.E312707 Power Circuit and Motor-mounted Apparatus (last updated 03-May-2007). 3) Cutsheet Series 92 electric Actuator, Rev.E 09-08. 4) Series 92 Multiturn Modulating Electric Actuator, Installation, Operation and Maintenance Manual, Rev. C 4/28/09.

**Term of Validity:**


This product/model is covered under Product Design Assessment (PDA) Certificate # 10-HS592448-PDA, dated 17/Jun/2010. This PDA Certificate expires 16/Jun/2015. It will remain valid for 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first). It is valid for all vessels contracted on or before the date of the Rules used in this evaluation.

**ABS Rules:**

2010 Steel Vessels Rules 1-1-4/7.7, 4-8-3/1.11, 1.17.1, 4-8-3/13.1, 13.3.2; 2008 MODU Rules 4-3-3/9.1, 9.3.1

- National Standards:**
- International Standards:**
- Government Authority:**
- EUMED:**
- Others:**

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	10-HS592448-PDA	17/JUN/2010	16/JUN/2015



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.