



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 20/AUG/2017. 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 12/FEB/2020 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 and Dampers
Model Name(s): Series WE, SE, XE

Presented to:

A-T CONTROLS
9955 INTERNATIONAL BOULEVARD
United States

Intended Service:

Marine & Offshore Application - On -Off or Modulating Service for quarter-turn or extension up to 270° rotation valves in piping systems or dampers in HVAC systems.

Description:

Electrical operated actuator fitted with manual override, and anti-condensation heater for valves & dampers and other quarter-turn devices. Option Configurations: Electronic Position Indication Unit, Local / Remote Control.

Tier:

3

Ratings:

Output Torque from 56.5 N-m to 2926 N-m (500 lbf-in to 25900 lbf-in) Temperature: -20°C to 70°C (-4°F to 158°F), optional -40°C (-40°F) WE : Weatherproof (IP67, NEMA 4, 4X) SE: Submersible unit (IP68) XE: Explosion proof (EEx d IIB T4) See attached "pdf" Model Numbers and Specifications for detail information.

Service Restrictions:

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. i) The actuators are not to be used for valves on tanks containing flammable liquids, fire mains and fire dampers in high fire risk areas such as machinery spaces unless fitted with approved insulation to ensure effective closure facility in the event of fire (Steel Vessel Rules 4-6-4/13.5.3 b) MODU Rules 4-2-5/3.9.2). ii) All electrical equipment intended for installation in hazardous area are to be certified safe type based on the class of the hazardous area at its location of installation. Certificates in this regard are to be present to ABS Surveyor for

Comments: verification on a case by case basis. iii) ATEX certified equipment is not to be installed in hazardous areas on U.S vessels unless it can be prove to have been tested to the applicable IEC 60079 series standards by an independent laboratory accepted by the U.S coast Guard. USCG notice 01-12 (February 7, 2012).
 The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. i) Setting and calibration of limit switches are to be in accordance with the manuafcurer's recommended procedures. ii) Cables for power supply and signals are to be suitable for intended service and environmental conditions (Steel Vessels Rules 4-8-3/9, 4-8-4/21, 27.9, MODU Rules 4-3-3/5 & 4-3-4/7). iii) Where actuators are remotely controlled and used in propulsion and safety related systems, the complete control system and its associated electrical system for each application are to be submitted to ABS technical office for suitability review (ABS Steel Vessels Rules 4-9-5/13.13).

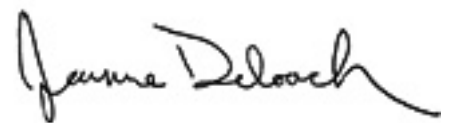
Notes / Documentation: Declaration of Conformity, No changes. EC-Type Examination Certificate KEMA 06ATEX2085 Issue No. 1 Brochure WE-0309 Electric Actuators WE Series and XE Series.

Term of Validity: This Product Design Assessment (PDA) Certificate 15-VC1320226-PDA, dated 13/Feb/2015 remains valid until 12/Feb/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules: The Rules for Conditions of Classification, Part 1 2014 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following: Steel Vessels 4-8-3/1.3, 4-8-3/1.11.1, 4-8-3/13.1 The Rules for Conditions of Classification, Part 1 2014 – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following: Mobile Offshore Drilling Units 4-3-1/15, 4-3-3/9.1.1.

National Standards:
International Standards:
Government Authority:
EUMED:
Others: None

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	15-VC1320226-PDA	18/FEB/2015	12/FEB/2020



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.