



Confirmation of Product Type Approval

Company Name: HORNER APG, LLC

Address: 59 S. STATE AVE. IN 46201 United States

Product: Automation, Modular I/O

Model(s): HE800 Series, HE200ACM530

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	18-HS1801415-PDA	12-DEC-2018	10-DEC-2023
Manufacturing Assessment (MA)	19-JE3665058	30-APR-2019	11-MAY-2024
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

Marine & Offshore Applications.

Description

SmartStack Modular I/O. See attached document.

Ratings

Rating varies with module selection.

For details see attached document.

Class I, Division 2, Groups A, B, C, and D Hazardous Location.

Service Restrictions

1. Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

2. Not to be used in Control, Monitoring and Safety Systems of Propulsion Systems (Machinery, Boilers and Vital Auxiliary Pumps).

Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

2. Each particular application and installation is to be specifically approved in conjunction with the relevant system in which the components are used.

Notes, Drawings and Documentation

UL File E180220 dated 28 October 2018, Programmable Controllers for Use in Hazardous Locations

Term of Validity

This Product Design Assessment (PDA) Certificate 18-HS1801415-PDA, dated 11/Dec/2018 remains valid until 10/Dec/2023 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

Rules for Conditions of Classification, Part 1 - 2017 Steel Vessel Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

Steel Vessel Rules (2018): 4-8-3/13; 4-8-4/27.5.1

Rules for Conditions of Classification, Part 1 - 2017 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3 which covers the following:

Mobile Offshore Drilling Units Rules (2018): 4-3-2/9.1.2

International Standards

NA

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink, appearing to read 'James W. ...', is positioned above the printed text.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 18-Jul-2019 9:04

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 is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. 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.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

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.

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.