



## Confirmation of Product Type Approval

**Company Name:** INTELLIGENT PLATFORMS LLC

**Address:** 2500 AUSTIN DRIVE, CHARLOTTESVILLE, VA, United States, 22911

**Product:** Programmable Logic Controller

**Model(s):** RX3i, RSTi-EP

**Endorsements:**

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	21-2091349-PDA	24-FEB-2021	23-FEB-2026
Manufacturing Assessment (MA)	20-4219203	15-JUN-2020	25-MAR-2023
Product Quality Assurance (PQA)	NA	NA	NA

### Tier

5 - Unit Certification Required

### Intended Service

Marine (Propulsion Control, Power Management, Alarm & Monitoring, Auxiliary Machinery Control) for ACC and ACCU Classed Vessels and Offshore and Industrial Controls.

### Description

The following components of the PACSystems RX3i are covered by this certificate: IC695CHS016CA, IC695CHS012CA, IC695CHS007CA, IC695CPL410CA, IC695PNS001CA, IC695PNS101CA, IC695PNC001CA, IC695ETM001CA, IC694ALG222CA, IC694ALG223CA, IC694ALG232CA, IC694ALG233CA

The following components of the RSTI-EP are covered by this certificate: EPSCPE100CA, EPSCPE115CA

### Ratings

Power Supply: 24 Vdc

Operating temperature: 0 to 60°C

### Service Restrictions

1) 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.

2) Tests and approval for hardware only. Each particular application/configuration is to be specifically approved.

3) This equipment is not suitable for installation in the outside/exposed to sea atmosphere.

### Comments

- 1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2) Equipment must be installed in a metal enclosure with all cables coming into the enclosure being shielded.
- 3) Tests and approval are for hardware only.

### Notes, Drawings and Documentation

Drawing No. 00813-0100-0101, EPSCPE100/115, Revision: -, Pages: -

Drawing No. 00813-0100-0102, CPL410 IPI, Revision: -, Pages: -

Drawing No. 41G1244-MD01, ALG392 (30Di5B1) Assembly, Revision: 3, Pages: 1

Drawing No. 41G1301-SC01-000-F0, 40BZ0A1, Revision: 1, Pages: 1

Drawing No. 41G1302-SC01-000-F0, 40BZ0B1, Revision: 1, Pages: 1

Drawing No. 41G1485-SC01-000-EO, 30II5A1 AND 30II3A1, Revision: 3, Pages: 1

Drawing No. 41G1491-AD30, 7 slot backplane final assembly, Revision: 0, Pages: 1

Drawing No. 41G1491-SC01-000-H0, 40BZ0C1, Revision: 1, Pages: 1

Drawing No. 41G1905-SC01-000-B2, ETM\_PNS\_PNC\_SOC, Revision: 0, Pages: 1

Drawing No. 41G1905-SC01-000-B3, ETM\_PNS\_PNC\_SOC, Revision: 0, Pages: 1

Drawing No. 41G1905-SC01-000-C1, ETM\_PNS\_PNC\_SOC, Revision: 0, Pages: 1

Drawing No. 41G2202-SA10, ASY- DIN Mount/Clip, Revision: A, Pages: -

Drawing No. 41G2393-SC01-000-C0, CPU1, Revision: 3, Pages: -

Drawing No. 41G2437-SC01-000-A0, 41G2437 Super CAP Daughter Card for CPU1 Carrier, Revision: 0, Pages: 1

Drawing No. 42G9000-0107, Panel - IO Wrap, MFA, Revision: E, Pages: -

Drawing No. 42G9000-0212-A1, Housing - RX3i, Single, Diecast with Screws, Revision: A1, Pages: 1

Drawing No. 42G9000-0212-A3, Housing - RX3i, Single, Diecast with Screws, Revision: 2, Pages: 1

Drawing No. 42G9000-0213-A5, Side Plate - RX3i Single, Diecast, Revision: 1, Pages: 1

Drawing No. 42G9000-0233, Side Panel - Right, Revision: A, Pages: 1

Drawing No. 42G9000-0234, Side Panel - Left, Revision: A, Pages: 1

Drawing No. 42G9000-0392-A2, Side Plate - RX3i Single, Diecast, ETM, Revision: A5, Pages: 1

Drawing No. 44c718374, 12-16 SLOT BACKPLANE FINAL ASSEMBLY, Revision: 3, Pages: 1

Drawing No. EU2105, EMC Final Report, Revision: -, Pages: -

Drawing No. GFK-2222AN, RX3i CPU REference Manual, Revision: -, Pages: -

Drawing No. GFK-2314V, RX3i System Manual, Revision: -, Pages: -

Drawing No. NU2105, ENV Marine Final Report, Revision: -, Pages: -

Drawing No. TDD-20200921, Test Plan, Revision: 1.3, Pages: -

**Term of Validity**

This Product Design Assessment (PDA) Certificate remains valid until 23/Feb/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

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 previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

**ABS Rules**

2021 Rules for Conditions of Classification, Part 1: 1-1-4/7.7, 1-1-A3, 1-1-A4

2021 Rules for Building and Classing Marine Vessels: 4-8-3/1.7, 4-8-3/1.11, 4-9-5/17, 4-9-6/23, 4-9-9/1, 7, 13; 4-9-9/Table 1

2021 Rules for Conditions of Classification, Offshore Units and Structures, Part 1: 1-1-4/9.7, 1-1-A2, 1-1-A3

2021 Rules for Building and Classing Mobile Offshore Units: 4-3-1/11, 4-3-1/15, 4-3-1/17.1

**International Standards**

IACS UR E10 Rev.7: 2018

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

NA



A handwritten signature in black ink, appearing to read "Joseph W. Wilson".

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 24-Mar-2021 2:09

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.