



Confirmation of Product Type Approval

Company Name: ROCKWELL AUTOMATION ASIA PACIFIC BUSINESS CENTER PTE LTD

Address: NO. 2 CORPORATION ROAD#06-05/10 CORPORATION PLACE, 618494 Singapore

Product: Programmable Logic Controls, I/O Components and Communication Interfaces

Model(s): 1794

Endorsements:

Other Endorsement: Programmable Logic Controls, I/O Components and Communication Interfaces

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-1864080-1-PDA	11-JAN-2022	13-JUN-2024
Manufacturing Assessment (MA)	19-SG3694169	12-JUL-2019	24-JUL-2024
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Marine and Offshore Applications, Monitoring and Control of Auxiliary functions, Machinery, Handling equipment, Load Distribution Pumping, Ventilation, Centrifuges, WastewaterTreatment, etc. acceptable for vessel with ACC & ACCU notations.

Description

Components Comprised of Ethernet/IP Controllers and Adapters, Digital & Analog Input & Output Modules, Field Power Distribution Modules, Thermocouple/RTD Input Modules, Relay Output Modules, etc.

See attached "pdf" file "1794 Products" for catalog numbers and descriptions.

Ratings

See attached "pdf" for Product Documentation.

Service Restrictions

Unit Certification is not required for the original supplier.

However, unit certification in accordance with 4-9-3/Table 2 and 4-9-9/Table 2 is required by the user to customize this equipment where this equipment is used for Category II or III services in 4-9-3/Table 1 or associated to services for ACC, ACCU or ABCU Notation.

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.

Comments

- 1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2) Tests and approvals are for hardware only.
- 3) System design of Control/Monitoring Systems for Propulsion related Systems, intended for ACC or ACCU Vessels are subject to ABS approval for each application.

Notes, Drawings and Documentation

Drawing No. 19647278 001_EMC final report_Setup 7, RE & RI test reports up to 6GHz, Revision: 01, Pages: 25

Drawing No. 19647279 001_EMC final report_Setup 8, RE & RI test reports up to 6GHz, Revision: 01, Pages: 26

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Drawing No. 19647344 001_EMC final report_Setup 5, RE & RI test reports up to 6GHz, Revision: 01, Pages: 27

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Supporting Document from Previous Tasks:

Drawing No. 10000006130_02_asm, 1794-IT8 Assembly, Revision: 1, Pages: 1

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Drawing No. 10000046348_08_sch, 1794-ACN15 Schematics, Revision: 1, Pages: 1

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Drawing No. 10000143466_03_sch, 1794-IB10XOB16 Schematics, Revision: 1, Pages: 1

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Drawing No. 10000323711_00_asm, 1794-IV16 Assembly, Revision: 1, Pages: 1

Drawing No. 10000332707_01_Sch.pdf, 1794-AENT Schematics, Revision: 1, Pages: 1

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Drawing No. 10000349884_00_sch, 1794-IE4XOE2 Schematics, Revision: 1, Pages: 1

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Drawing No. 10000380968_00_asm, 1794-IE8 Assembly, Revision: 1, Pages: 1

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Drawing No. 10002210878_00_sch, 1794-TB2 Schematics, Revision: 1, Pages: 1

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1794-PS3-PS13-Marine-EMC-7191184561-01(08042019), Revision: 1, Pages: 1

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Drawing No. 1794-TB3T_10002252341_00_sch, 1734-TB3T Schematics, Revision: 1, Pages: 1

Drawing No. 1794-in019_-en-p, 1794-OW8 Pub, Revision: 1, Pages: 1

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Drawing No. MA459060-022F, 1794-PS3 Vendor Packet, Revision: 1, Pages: 1

Drawing No. Marine Renewal Summary 13May19, Marine Renewal Summary 13May19, Revision: 1, Pages: 1

Document No. 021-64701390, ENV Test Report, dated 30 March 2006

Document No. 200610-3-07023E, EMC Test Report, Dated 24 July 2006

Document No. 200610-3-09029E, EMC Test Report, Dated 31 August 2006

Document No. marrep1794_4_07a, Qualification Test Report, Dated 27 April 2007

Document No. 468124, Technical Report - Environmental Test, Dated 22 October 2012

Document No. 124181, Technical Report - Environmental Test, Dated 22 October 2012

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 13/Jun/2024 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

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

2021 Marine Vessel Rules: 4-8-3/1.9, 4-9-3/11.9 & 4-9-9/Table 1

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

2021 Mobile Offshore Units Rules: 4-3-1/9

International Standards

IACS UR E10, Rev7, 2018

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

None



A handwritten signature in dark ink, appearing to read "James J. Wilk".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 02-Feb-2022 11:39

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.