CERTIFICATE NUMBER	21-2150890-PDA
EFFECTIVE DATE	27-Jul-2021
EXPIRY DATE	26-Jul-2026
ABS TECHNICAL OFFICE	Houston ESD - Electrical

CERTIFICATE OF

Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

ROCKWELL AUTOMATION INC.

located at

1201 SOUTH SECOND STREET, MILWAUKEE, WI, United States, 53204

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product:	**Push Buttons, Selector Switches, Pilot Lights and Accessorie...**
Model:	**800T, 800H, 800MR & 800MB**
Endorsements:	
Tier:	**3 - Type Approved, unit certification not required**

This Product Design Assessment (PDA) Certificate remains valid until 26/Jul/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.

American Bureau Of Shipping

Soheni Haque

Soheni Haque,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

Sensitivity: Internal & Restricted

ROCKWELL AUTOMATION INC.
1201 SOUTH SECOND STREET
MILWAUKEE WI
United States 53204
Telephone: 414-382-4627
Fax: 414-382-4070
Email: svey@ra.rockwell.com
Web: www.rockwellautomation.com

Tier: 3 - Type Approved, unit certification not required

Product: **Push Buttons, Selector Switches, Pilot Lights and Accessories**
Model: **800T, 800H, 800MR & 800MB**
Endorsements:

Intended Service:
Marine and Offshore Applications - Operator interface for control and indication in Marine Automatic Control Systems

Description:
Bulletin 800T, NEMA Type 1, 4, 12 and 13 devices as follows: Non-illuminated Push Buttons, Selector Push Button Push Buttons, Illuminated and Non-Illuminated Push Pull/Twist Push Buttons, Illuminated and Non-Illuminated Selector Switches, Cylinder Lock Selector Switches, Pilot Lights, Potentiometers, Toggle Switches, Push button Stations and Enclosures, 18 mm Miniature Pilot Lights;

Bulletin 800H, NEMA Type 1, 4, 4X, 12 and 13 devices as follows: 30.5 mm Heavy Duty, Non-illuminated Push Buttons, Illuminated Push Buttons,Mechanically Interlocked Push Buttons, Illuminated and Non-Illuminated Push Pull/Twist Push Buttons, Selector Push Button Push Buttons, Non-illuminated Push Pull/Twist Push Buttons, Illuminated Push Pull/Twist Push Buttons, Selector Switches, Pilot Lights, Potentiometers, Wobble Sticks, Push Button Stations and Enclosures, Contact Blocks and Power Modules;

Bulletin 800H, NEMA Type 7, and 9 devices as follows: Hazardous Location Duty, Non-illuminated Push Buttons, Illuminated Push Buttons, Non-illuminated Push Pull Buttons, Illuminated Push Pull Push Buttons, Dual Push Buttons, Selector Switches, Cylinder Lock Selector Switches, Pilot Lights, Potentiometers, Push Button Stations and Enclosures, Contact Blocks and Power Modules;

Bulletin 800MR, 800MB, NEMA, Type 13 Oiltight, IEC 144 IP 65: 22.5 mm Heavy Duty, Momentary contact push buttons illuminated and non-illuminated, two and three position Push-Pull illuminated and non-illuminated buttons, two, three and four position illuminated and non-illuminated Selector switches with knobs or levers, Potentiometer, standard push-to-test and dual input pilot lights, wobble stick

Rating:
Standard Contact ratings: Maximum 600 V, 10 A Cont., NEMA A600 and Q600
Explosion-Protected Contact ratings: Maximum 600V, 10A Cont., NEMA A600 and Q600
Sealed Switch Contact ratings: Maximum 600 VAC,300VDC, 5 A Cont., NEMA B600 and P300
(See Manufacturer's Bulletin for additional details)

Service Restriction:
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.

Comments:
1. Duplicate PDA resides with Rockwell Automation, Inc - Ladysmith & Rockwell Automation Manufacturing (Shanghai) Ltd, China.
2. Type of Device and Enclosure is to be selected in accordance with Manufacturer's recommendations and expected Environmental Conditions in accordance with 4-8-3/1.11.1 & 4-8-3/Table 2 of the Marine Vessels Rules.
3. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:
Drawing No. Letter of Revision_16-HS1537656-PDA _16-HS1538845-1-PDA, Declaration of Conformity, Revision: -, Pages: 1

Supporting documents (previous review):

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Web: www.rockwellautomation.com

Tier: 3 - Type Approved, unit certification not required

Drawing No. E10314-19760308-report, Date of Issue: 08 March 1976, 215 Pages
Drawing No. E10314-19770929-report, Date of Issue: 29 September 1977, 48 pages
Drawing No. E10314-19800527-report, Date of Issue: 27 May 1980, 135 Pages
Drawing No. E10314-19800528-report, Date of Issue: 28 May 1980, 33 Pages
Drawing No. E14840-19550201-report, Date of Issue: 01 February 1955, 349 Pages
Drawing No. E14840-19680829-report, Date of Issue: 29 August 1958, 32 Pages
Drawing No. E14840-19700723-report, Date of Issue: 23 July 1970, 88 Pages
Drawing No. E14840-19731211-report, Date of Issue:11 December 1973, 103 Pages
Drawing No. E14840-19770818-report, Date of Issue: 18 August 1977, 16 pages
Drawing No. E14840-19780221-report, Date of Issue: 21 February 1978, 73 Pages
Drawing No. E14840-19780727-report, Date of Issue: 27 July 1978, 25 Pages
Drawing No. E14840-19820609-report, Date of Issue: 9 June 1982, 33 Pages
Drawing No. E14840-19850916-report, Date of Issue: 16 September 1985, 10 Pages
Drawing No. E14840-19861223-report, Date of Issue: 23 December 1986, 16 Pages
Drawing No. E14840-19870116-report, Date of Issue: 16 January 1987, 43 Pages
Drawing No. E14840-20030506-report, Date of Issue: 6 May 2003, 13 Pages
Drawing No. E14840-20090908-report, Date of Issue: 08 September 2009, 41 Pages
Drawing No. E14840-20090909-report, Date of Issue: 09 September 2009, 81 Pages
Drawing No. E71673-19790802-report, Date of Issue: 02 August 1979, 86 Pages
Drawing No. E71673-19800618-report, Date of Issue: 18 June 1980, 17 Pages
Drawing No. E71673-19810511-report, Date of Issue: 11 May 1981, 28 Pages

Terms of Validity:
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STANDARDS

ABS Rules:
Rules for Conditions of Classification, Part 1 - 2021 Marine Vessels Rules 1-1-4/7.7, 1-1-A3, which covers the following:
Marine Vessels Rules (2021): 4-8-3/1.7 4-8-3/1.11.1 & 4-8-3/Table 2

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:
Mobile Offshore Units (2021): 4-3-1/11, 4-3-1/15, 4-3-3/Table 1

National:
UL 508, 2018 (18th Edition): Industrial Control Equipment
UL 60947-1, 2013 (5th Edition)
CSA C22.2 No. 14-18 (13th Edition): Industrial Control Equipment

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International:
NA

Government:
NA

EUMED:
NA

OTHERS:
NA