



CERTIFICATE NUMBER
15-HG1419918-PDA

DATE
01 Oct 2015

ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

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

WAGO KONTAKTECHNIK GMBH & CO. KG

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: **Electrical Wire Terminal Block**

Model: **1.) Series 243, 273, 773, 2273 2.) Series 222, 224, 221 3.) Series 271, 272, 293**


This Product Design Assessment (PDA) Certificate 15-HG1419918-PDA, dated 01/Oct/2015 remains valid until 30/Sep/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.

AMERICAN BUREAU OF SHIPPING


Dagmar Gramatzki
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 the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

WAGO KONTAKTTECHNIK GMBH & CO. KG

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Tier: 3 - Type Approved, unit certification not required

Product: Electrical Wire Terminal Block

Model: 1.) Series 243, 273, 773, 2273
2.) Series 222, 224, 221
3.) Series 271, 272, 293

Intended Service:

- 1.) Push-wire connectors for junction boxes.
- 2.) Lighting connectors.
- 3.) Insulating terminal blocks with push-wire contacts.

Description:

Screwless, push-wire terminals.

Rating:

- 1.) Rated Voltage (V): 100, 400. Rated Currents (A): 6, 24, 32.
Cross Sections: 0.5 - 4.0 mm².
- 2.) Rated Voltage (V): 400, 450. Rated Currents (A): 24, 32.
Cross Sections: 2.5 - 4.0 mm², 0.5 - 4.0 mm².
- 3.) Rated Voltage (V): 400. Rated Currents (A): 18, 24.
Cross Sections: 0.5 - 2.5 mm².

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:

Installation as per manufacturer's instructions.

The particular applications are to be approved together with the system or equipment in which the terminals are used. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

- Drawing No. 0221-0412_T_001, Connection Terminal Block Drawing, Revision: 001, Pages: 1
Drawing No. 2273-0202_T, Push-Wire Connectors Drawing, Revision: 001, Pages: 1
Drawing No. CCA Zert Serie 221, DEKRA CCA Test Report, Revision: -, Pages: 28
Drawing No. ENEC Zert 2273 VDE__PDM, VDE Marks Approval, Revision: -, Pages: 3
Drawing No. ExtELB 25955eng, Product Test Report, Revision: -, Pages: 19

Terms of Validity:

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STANDARDS

ABS Rules:

2015 Steel Vessel Rules 1-1-4/7.7, 1-1-Appendix 3, 1-1-Appendix 4, 4-8-3/1.7/1.11.1/1.17

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA