



CERTIFICATE NUMBER

10-LD638329B-PDA

DATE

10 November 2010

ABS TECHNICAL OFFICE

London Engineering Services

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
COOPER CROUSE HINDS (UK) LTD - SHEERNESS

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. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Junction Boxes, Marine

MODEL: STB (junction box), STBFB (with fieldbus), STBCS (control unit)

ABS RULE: 2010 Steel Vessel Rules 1-1-4/7.7, 4-8-3/1.7, 4-8-3/1.11, 4-8-3/9.21, 4-8-3/13, 4-8-4/1.3; 2008 MODU Rules 4-3-1/15, 4-3-3/3.1.1, 4-3-3/5.33, 4-3-3/9

OTHER STANDARD IEC/EN 60079-0:2006, 60079-1:2004, 60079-7:2007, 60079-11:2007, 61241-0:2006, 61241-1:2004;

AMERICAN BUREAU OF SHIPPING

Jean-Claude G. Dennemont
Engineering Type Approval Co-ordinator

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).

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Web: www.enclosures-crouse-hinds.uk.com

Product: Junction Boxes, Marine

Model: STB (junction box), STBFB (with fieldbus), STBCS (control unit)

Intended Service:

Marine & Offshore Applications

Description:

Steel or Stainless Steel Terminal and Control Boxes for use in Hazardous Locations Zone 1, Gas type IIC, Temperature Class T6 or T5 and Dust environments, protected by enclosure, Temperature Class T 80C or T 95C

Ratings:

Rated voltage up to 750V, rated current up to 500A, cable rated cross section max 240mm² (dependent on type of terminal and explosion proof components used), IP66, Ambient Temperature, -55C to 65C. Enclosure sizes from (HxWxD) 120x120x80mm to 1900x1000x300mm

Service Restrictions:

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:

Separately certified components for use in Zone 1 of types Ex d, Ex m and Ex e can be built-in to the enclosures. These components with appropriate ATEX certification can be built-in, suited for the temperature classes T6, T5 or T4. The installation requirements of the accompanying ATEX certification are to be complied with.

Notes / Drawings / Documentation:

IECEX Certificate of Conformity IECEX BKI 08.0010. ATEX EC-Type-Examination Certificates PTB 04 ATEX 1015 and KEMA 99 ATEX 7895U (enclosure only) and associated supplements.

Term of Validity:

This Product Design Assessment (PDA) Certificate 10-LD638329B-PDA, dated 10/Nov/2010 remains valid until 09/Nov/2015 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.

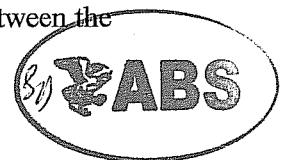
STANDARDS

ABS Rules:

2010 Steel Vessel Rules 1-1-4/7.7, 4-8-3/1.7, 4-8-3/1.11, 4-8-3/9.21, 4-8-3/13, 4-8-4/1.3; 2008 MODU Rules 4-3-1/15, 4-3-3/3.1.1, 4-3-3/5.33, 4-3-3/9

National:

NA



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International:

IEC/EN 60079-0:2006, 60079-1:2004, 60079-7:2007, 60079-11:2007, 61241-0:2006, 61241-1:2004

Government Authority:

NA

EUMED:

NA

Others:

NA

