



CERTIFICATE NUMBER	25-0167226-PDA
EFFECTIVE DATE	14-Feb-2025
EXPIRY DATE	13-Feb-2030
ABS TECHNICAL OFFICE	Singapore Engineering Admin

## CERTIFICATE OF Product Design Assessment

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

### **CCG CABLE TERMINATIONS PTY LTD**

located at

**33-37 FORGE ROAD, SPARTAN IND, , KEMPTON PARK, South  
Africa, 1620**

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:** Junction Boxes, Marine  
**Model:** Handi Fit Range, Posi Fit Range, Bottom Entry (Ex), Bottom Entry Angle (Ex), Angle Box Ex, Screw Fit Box (Ex), Switch Box (Ex), Utility, Flameproof Box, Flameproof-SPG Box  
**Endorsements:**  
**Tier:** 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 13/Feb/2030 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

*Guanying*  
Guanying Wu, 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)

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**Product:** Junction Boxes, Marine

**Model:** Handi Fit Range, Posi Fit Range, Bottom Entry (Ex), Bottom Entry Angle (Ex), Angle Box Ex, Screw Fit Box (Ex), Switch Box (Ex), Utility, Flameproof Box, Flameproof-SPG Box

**Endorsements:**

**Intended Service:**

Junction box for use on ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

**Description:**

Refer to attachment.

**Rating:**

Refer to attachment.

**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. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The glands and terminals are to be installed strictly in accordance with instructions supplied by the manufacturer.
3. Junction boxes are not to be used for propulsion cables as indicated in 4-8-4/21.25 of ABS Marine Vessel Rules.
4. Restricted to those areas/spaces where type Ex "e" as indicated in 4-8-3/13.3.3 and 4-8-4/27.5.1 of ABS Marine Vessel Rules.
5. ATEX certified equipment is not to be installed in hazardous areas on U.S vessels unless it can be prove to have been tested to the applicable IEC 60079 series standards by an independent laboratory accepted by the U.S coast Guard. USCG notice 01-12 (February 7, 2012).

**Notes/Drawing/Documentation:**

Documents:

Drawing No. 3-Way Bottom Entry, Junction Box, Revision: -, Pages: 2

Drawing No. 5-Way Handi Fit, Junction Box, Revision: -, Pages: 2

Drawing No. Angle Box, Junction Box, Revision: -, Pages: 2

Drawing No. Bottom Entry Angle Box, Junction Box, Revision: -, Pages: 2

Drawing No. Bottom Entry Angle Box EX, Junction Box, Revision: -, Pages: 2

Drawing No. Bottom Entry Switch Box, 16A Switch Box, Revision: -, Pages: 2

Drawing No. FlameProof Box, Junction Box, Revision: -, Pages: 2

Drawing No. FlameProof SPG Box, Junction Box, Revision: -, Pages: 2

Drawing No. Handi Fit 4-Way, Handi Fit Y, Handi Fit H, Junction Box, Revision: -, Pages: 2

Drawing No. Handi Fit 4-Way Fire Rated, Handi Fit Y Fire Rated, Handi Fit H Fire Rated, Junction Box, Revision: -, Pages: 2

Drawing No. Posi Fit 4-Way/TX, Posi Fit Y, Posi Fit H, Junction Box, Revision: -, Pages: 2

Drawing No. Screw Fit, 3-Way Bottom Entry Junction Box, Revision: -, Pages: 2

Drawing No. Screw Fit 4-Way, Junction Box, Revision: -, Pages: 2

Drawing No. Screw Fit 4-Way Ex, Junction Box, Revision: -, Pages: 2

Drawing No. Utility Box, Junction Box, Revision: -, Pages: 2

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Drawing No. 3-Way Bottom Entry Ex, Junction Box, Revision: -, Pages: 2

#### **Test Reports:**

Report No. CML 14CA370-1, DTS-01 Deluge Test for JBs by CMLEEx, Dated: 04 December 2014, Revision: -, Pages: 5

Report No. Report No. 1066, Fire Test by CSIRO, Dated: 20 July 2000, Revision: -, Pages: 10

#### **Certificates:**

Certificate No. IECEx CML 15.0071U, Hazardous Area certification - empty junction boxes, Revision: 2, Pages: 8

Certificate No. IECEx CML 15.0072X, Hazardous Area certification - junction boxes with terminals, Revision: 2, Pages: 10

Certificate No. IECEx ICS 15.0005X, Flameproof enclosure certification, Revision: 1, Pages: 6

Certificate No. MASC S/10-216, Explosion Proof Certification, Revision: -, Pages: 7

#### **Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 13/Feb/2030 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.

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### **STANDARDS**

#### **ABS Rules:**

Rules for Conditions of Classification (2025) – 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:  
Rules for Building and Classing Marine Vessels: 4-8-3/9.21, 4-8-3/13.3.3, 4-8-4/27.5.1

ABS Rules for Conditions of Classification (2025) – High-Speed Crafts 1C-1-4/11.9, 1C-1-A2, 1C-1-A3, which covers the following:

Rules for Building and Classing High Speed Craft: 4-6-1/3.17, 4-6-3/5.33, 4-6-3/9.1.1

Rules for Conditions of Classification (2025) – Offshore Units and Structures 1B-1-4/9.7, 1B-1-A2, 1B-1-A3, which covers the following:

ABS Rules for Building and Classing Offshore Units: 4-3-1/3.15, 4-3-3/5.25, 4-3-3/9.1.2

#### **National:**

NA

#### **International:**

IEC 60079-0:2017

#### **Government:**

NA

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**EUMED:**

NA

**OTHERS:**

NA