



## Confirmation of Product Type Approval

**Company Name:** HAWKE INTERNATIONAL

**Address:** OXFORD STREET WEST, ASHTON-UNDER-LYNE, LANCASHIRE, United Kingdom, OL7 0NA

**Product:** Junction Boxes, Marine

**Model(s):** Terminal Box Ranges PL5, PL 6 and PL 7 (Polyester), S and EJB Series (Stainless Steel Grade 316L).

**Endorsements:**

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	17-LD1653735-PDA	12-JUL-2017	11-JUL-2022
Manufacturing Assessment (MA)	21-4624373	03-MAR-2021	20-MAR-2026
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

3 - Type Approved, unit certification not required

### **Intended Service**

ABS classed vessels and offshore facilities in accordance with the listed ABS Rules and International standards.

### **Description**

Exe enclosures in glass reinforced polyester (PL5, PL6 and PL7 ranges) and stainless steel grade 316L (S and EJB range)

IEC Zone 1 and 2 Hazardous locations on ships and offshore units.

\*PL and \*S series ranges are also listed (UL/CSA)

### **Ratings**

Terminal - Cable Acceptance Range 0.5sq mm to 300sq mm Cables

Maximum Current Rating:- 316 Amps

Maximum Voltage:- 1100V AC or DC

Ingress Protection:- IP66/IP67

### **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.

Junction boxes are not to be used for propulsion cables as indicated in 4-8-4/21.25 of the ABS Rules for Building and Classing Steel Vessels 2017.

All electrical equipment intended for installation in hazardous areas is to be Ex rated based on the class of the hazardous area at its location of installation. Certificates in this regard are to be presented to the ABS Surveyor for verification on a case basis.

ATEX certified equipment is not to be installed in hazardous areas on US 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)

Compliance with the IMO MODU Code 2009 section 6.6, Reg. II-2/19 /3.2of SOLAS, SOLAS II#1/45/10 is to be verified by the ABS attending surveyor.

### Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

(1) Junction boxes to be installed in accordance with 4-8-4/21.25 of the Rules for Building and Classing Steel Vessels 2017 and 4-3-3/9.1.3 of the Rules for Building and Classing Mobile Offshore Drilling Units 2017.

(2) Installation in hazardous areas is to comply with 4-8-4/27.5 of the ABS Rules for Building and Classing Steel Vessels 2017 and 4-3-3/9.1.2 of the ABS Rules for Building and Classing Mobile Offshore Drilling Units 2017.

(3) Please refer to manufacturer instruction manual for equipment installation and maintenance - to prevent static charge build up.

(4) Installation requirements as these are detailed on applicable IECEx or ATEX certificates are to be complied with.

(5) See Report EC Type-Examination Certificate IECEx BAS 14.0123X, IECEx BAS 06.0028X and IECEx BAS 08.0091X for more details.

### Notes, Drawings and Documentation

Drawing No. GB/BAS/ExTR06.0033/00, IECEx Test Report - PL 6 Series Junction Boxes (11.08.2006), Revision: -, Pages: 39

Drawing No. GB/BAS/ExTR08.0131/00, IECEx Ex Test Report - S1 to S9 Stainless & MS1 to MS9 Mild Steel Boxes (08.08.2008), Revision: -, Pages: 29

Drawing No. GB/BAS/ExTR08.0196/00, IECEx Ex Test Report - PL 7 Series Junction Boxes (09.12.2008), Revision: -, Pages: 74

Drawing No. GB/BAS/ExTR10.0096/00, IECEx Ex Test Report - S1 to S9 Stainless & MS1 to MS9 Mild Steel Boxes incl EJB Range (12.05.2010), Revision: -, Pages: 7

Drawing No. GB/BAS/ExTR10.0155/00, IECEx Ex Test Report - PL 6 Series Junction Boxes & ZPL 6 Series Enclosures (06.07.2010), Revision: -, Pages: 7

Drawing No. GB/BAS/ExTR10.0270/00, IECEx Ex Test Report - Misc Junction Boxes (19.11.2010), Revision: -, Pages: 3

Drawing No. GB/BAS/ExTR12.0113/00, IECEx Ex Test Report - PL 6 Series Junction Boxes & ZPL 6 Series Enclosures (23.04.2012), Revision: -, Pages: 6

Drawing No. GB/BAS/ExTR12.015600, IECEx Ex Test Report - S1 to S9 Stainless & MS1 to MS9 Mild Steel Boxes (12.06.2012), Revision: -, Pages: 5

Drawing No. GB/BAS/ExTR13.0134/00, IECEx Ex Test Report - S1 to S17 Stainless and MS1 to MS 17 mild steel junction boxes (06.08.2013), Revision: -, Pages: 8

Drawing No. GB/BAS/ExTR14.0135/00, IECEx Ex Test Report - S1 to S9 and S15 & S17 Stainless & MS1 to MS9 Mild Steel Boxes- incl EJB&MEJB (29.04.2014), Revision: -, Pages: 4

Drawing No. GB/BAS/ExTR14.0237/00, IECEx Test Report - PL Range of Enclosures - PL 513 & PL 520 (15.04.2015), Revision: -, Pages: 33

Drawing No. GB/BAS/ExTR15.0222/00, IECEx Test Report - PL Range of Enclosures - PL 642 - PL 644 (28.09.2015), Revision: -, Pages: 3

Drawing No. GB/BAS/ExTR15.0347/00, IECEx Test Report - PL 511 Junction Boxes & ZPL 511 Enclosures (11.12.2015), Revision: -, Pages: 4

Drawing No. GB/BAS/ExTR16.0060/00, IECEx Test Report - S1 to S17 - SFI-SFE-EA EJB Stainless and Mild steel junction boxes inc EJBM Grl (04.10.2016), Revision: -, Pages: 8

Drawing No. GB/BAS/ExTR16.0359.00, IECEx Test Report - PL 5 Series Junction Boxes (15.12.2016), Revision: -, Pages: 5

Drawing No. GB/BAS/ExTR16.0383/00, IECEx Test Report - PL 7 Series Junction Boxes (14.02.2017), Revision: -, Pages: 6

Drawing No. IECEx BAS 06.0028X, IECEx Certificate of Conformity - PL6 Series Junction Boxes (29.09.2015), Revision: 5, Pages: 5

Drawing No. IECEx BAS 08.0065X, IECEx Certificate of Conformity - S1 to 17-SFI-SFE-EA-EJB Stainless & Mild Steel Boxes incl EJBM Grl (13.10.2016), Revision: 6, Pages: 9

Drawing No. IECEx BAS 08.0091X, IECEx Certificate of Conformity - PL7 Series Junction Boxes (14.02.2017), Revision: 2, Pages: 6

Drawing No. IECEx BAS 14.0123X, IECEx Certificate of Conformity - PL5 Series Junction Boxes (15.12.2016), Revision: 2, Pages: 7

Drawing No. LRQ 0964946, ISO 9001:2008 Certificate, Revision: -, Pages: 1

Drawing No. PDA Revalidation Request 12-LD922927-PDA, PDA Revalidation Request, Revision: -, Pages: 1

Drawing No. PL511, Data Sheet, Revision: -, Pages: 1

Drawing No. PL513, Data Sheet, Revision: -, Pages: 1

Drawing No. PL520, Data Sheet, Revision: -, Pages: 1

Drawing No. PL642, Data Sheet, Revision: -, Pages: 1

Drawing No. PL644, Data Sheet, Revision: -, Pages: 1

### **Term of Validity**

This Product Design Assessment (PDA) Certificate 17-LD1653735-PDA, dated 12/Jul/2017 remains valid until 11/Jul/2022 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.

### **ABS Rules**

- Steel Vessels (2017): 1-1-4/7.7, 1-1-A3&A4; 4-1-1/7.15; 4-8-3 /1.7, 4-8-3/1.11, 4-8-3/13; 4-8-4/21.25, 4-8-4-27.5.1;
- Steel Vessels Under 90 Meters (295 Feet) in Length (2017): 1-1-4/7.7, 1-1-Appendix 3 & 4; 4-1-1/37, 4-6-3/11.1.1(a);
- Offshore Support Vessels (2017): 1-1-4/7.7, 1-1-A3&A4; 4-1-1/7.15, 4-8-3 /1.7, 4-8-3/13;
- Facilities on Offshore Installations (2017): 1-1-4/9.7, 1-1-A2&A3;
- Mobile Offshore Drilling Units (2017): 1-1-4/9.7, 1-1-A3&A4; 4-1-1/7.9; 4-3-3/5.25.2, 4-3-3/9.1.2, 4-3-3/9.1.3; 6-1-1/9, 6-1-1/13;
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2017): 1-1-4/7.7, 1-1-A3&A4; 4-1-1/21, 4-5-3/11.1.1;
- High Speed Crafts (2017): 1-1-4/11.9, 1-1-A2&A3; 4-1-1/37, 4-6-3/9.1.1;
- Steel Barge Rules (2017): 1-1-4/7.7, 1-1-A3&A4;

**International Standards**

IEC60079-0: 2011 Ed. 6.0; IEC60079-1: 2007-04; Ed. 6.0; IEC60079-7: 2006-07 Ed. 4.0; IEC60079-11: 2011 Ed. 6.0; IEC60079-31: 2013 Ed. 2.0; IEC60079-312: 2008 Ed. 1.0; IEC61241-0: 2004 Ed. 1.0; IEC61241-1: 2004 Ed. 1.0

CAN/CSA-C22.2 No. 60079-0-2011; CAN/CSA-C22.2 No. 60079-7-2011; CAN/CSA-C22.2 No. 60079-15-2010; CAN/CSA-C22.2 No. 60079-31-2011; CAN/CSA-C22.2 No. 94-M91; CAN/CSA-C22.2 No. 14-M91

UL 60079-0-2007; UL 60079-7- 2004; UL60079-31-2011; UL 50E

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

NA



A handwritten signature in black ink, appearing to read 'James J. White'.

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 06-Jul-2021 8:57

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.