



## *Confirmation of Product Type Approval*

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 25-FEB-2020. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

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.

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.

**Product Name:** Manual Call Point

**Model Name(s):** Explosion Proof Manual Call Point SM87PBLAUL Range for hazardous areas

**Presented to:**

EATON MEDC LIMITED  
UNIT B, SUTTON PARKWAY  
ODDICROFT LANE  
NG17 5FB  
United Kingdom

**Intended Service:**

ABS Classed Vessels and Offshore Facilities in accordance with the listed ABS Rules and National Standards.

**Description:**

The unit comprises a marine grade alloy housing with alarm pushbutton and corresponding label. LED indication, series and end-of-line resistors, diode and addressable module are available as options.

**Tier:**

3

**Ratings:**

24V AC/DC, 2 Amp (30mA max. with LED). The Manual Call Point Type SM87PBLAUL is considered to comply with the requirements for use in Class 1, Division 1, Groups C and D Hazardous Locations. Certified temperatures: -40C to +70C / -40F to +158F, -20C to +70C / -4F to 158F (LED version only), Ingress Protection NEMA 4x and 6, IP66 & 67.

**Service Restrictions:**

Unit Certification is not required for this product.

**Comments:**

Installation is to be in accordance with manufacturers documentation. Electrical equipment intended for installation in hazardous areas is to be of a certified safe type based on the class of the hazardous area at its location of installation as detailed in 4-8-3/13.1 of the ABS Rules for Building and Classing Steel Vessels 2015. Certificates in this regard are to be presented to the ABS Surveyor for

**Notes / Documentation:** verification on a case by case basis. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.  
 Drawing No. 20071116-E186629, SM87 PBL UL Certificate of Compliance, Revision: -, Pages: 1 Drawing No. 238-127, SM87PBUL LED Lens Housing Detail, Revision: B, Pages: 1 Drawing No. 238-128, SM87 PBUL Internal/External Earth Detail, Revision: A, Pages: 1 Drawing No. 462-588, SM87PBUL LED Lens Housing Detail, Revision: B, Pages: 1 Drawing No. 6DSUS010/J, SM87 PBL Data Sheet, Revision: J, Pages: 2

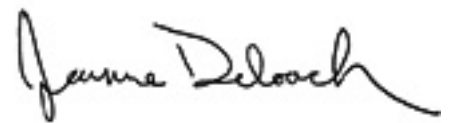
**Term of Validity:** This Product Design Assessment (PDA) Certificate 15-LD1327822-PDA, dated 26/Feb/2015 remains valid until 25/Feb/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed 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.

**ABS Rules:** - Steel Vessels (2015) 1-1-4/7.7, 1-1-A3&A4 4-8-3/1.7, 4-8-3/1.11, 4-8-3/13.3.2 - Steel Vessels Under 90 Meters (295 Feet) in Length (2015) 1-1-4/7.7, 1-1-A3&A4, 4-6-1/11, 4-6-1/15, 4-6-3/11.1.1(a) Explosion-proof (XP), 4-6-3/11.3.1 - Mobile Offshore Drilling Units (2015) 1-1-4/9.7, 1-1-A2&A3, 4-3-1/3.7, 4-3-1/15, 4-3-3/9.1.2(b) - Offshore Support Vessels (2015) 1-1-4/7.7, 1-1-A3&A4 4-8-3/1.7, 4-8-3/1.11, 4-8-3/13.3.2 - Facilities on Offshore Installations (2015) 1-1-4/9.7, 1-1-A2&A3 - Steel Vessels for Service on Rivers and Intracoastal Waterways (2015) 1-1-4/7.7, 1-1-A3&A4, 4-5-1/3.9, 4-5-1/17, 4-5-3/11.1.1(a) Explosion-proof (XP) - High-Speed Craft (2015) 1-1-4/11.9, 1-1-A2&A3; 4-6-1/3.9, 4-6-3/9.1.1(a) Explosion-proof (XP) - Steel Barge (2015) 1-1-4/7.9, 1-1-A3&A4

**National Standards:** UL 38, Seventh Edition; UL 1203 Fourth Edition; CSA-C22.2 No. 30-1986; CSA-22.2 No. 205-1983

**International Standards:**  
**Government Authority:**  
**EUMED:**  
**Others:**

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	15-LD1327822-PDA	26-FEB-2015	25-FEB-2020



ABS Programs

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 was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. 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.