Confirmation of Product Type Approval

Company Name: EATON MEDC LIMITED

Address: UNIT B, SUTTON PARKWAYODDICROFT LANE NG17 5FB United Kingdom

Product: Manual Call Point

Model(s): Intrinsically Safe, Type PBI

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	20-LD1962677-PDA	20-MAR-2020	19-MAR-2025
Manufacturing Assessment (MA)	19-NC3656811	12-APR-2019	07-OCT-2022
Product Quality Assurance (PQA)	NA	NA	NA

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Intended Service
For use on ABS Classed Vessels and Offshore Facilities in accordance with the listed ABS Rules and International Standards.

Description
Activation of the Manual Call Point Type PBI is to initiate a fire alarm signal onboard an ABS Classed vessel, MODU or facility.

The unit comprises of a polyester enclosure, terminal block and a push button switch under a flap. LED indication and end-of-line resistor are available as options.

The Manual Call Point Type PBI is considered to comply with the requirements for the Intrinsically Safe Apparatus for the level of protection ia, Group IIC, Temperature Class T4 and Group IIIC, Temperature Class T135C.

Ratings
Input parameters: 28-30 V, 93-147 mA, P 0.65-0.8 W

Type of Protection: Intrinsic Safety

Marking: Ex ia IIC T4 Ga/ Ex ia IIIC T135°CDA, IECEx certificate No.: IECEx BAS 12.0093X Issue 2

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
1. Installation is to be in accordance with any applicable conditions of certification detailed on the IECEx Certificate of Conformity.

2. 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 Marine Vessels 2020.

3. Certificates in this regard are to be presented to the ABS Surveyor for verification on a case by case basis.

4. ATEX certified equipment is not to be installed in hazardous areas on U.S. Vessels unless it can be proven to have been tested to the applicable IEC 60079 series standards by an independent laboratory accepted by the U.S. Coast Guard. USCG MI Notice 01-12 (February 7, 2012) refers.

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

Notes, Drawings and Documentation
Drawing No. AXTF 14013-01, PB 6DS144 - Push Button Environmental Testing, Axis Test Laboratories Ltd, Date 24.11.2015, Revision: 3, Pages: 30

Drawing No. ExTR160249-00, IECEx Test Report PBI, SGS Baseefa Limited, UK, Date: 14.09.2020, Revision: 0D, Pages: 03

Drawing No. DSMC0031, PB Datasheet, Revision: B, Pages: 2

Drawing No. 480-217, Cover Moulding Push Button, Revision: C, Pages: 01

Drawing No. 480-246, PB General Assembly, Revision: G, Pages: 04

Drawing No. IECEx BAS 12.0093X, Manual Call Point Type PBI, Revision: 2, Pages: 04

Drawing No. PB EMC Benign Assessment, Pages: 1

Term of Validity
This Product Design Assessment (PDA) Certificate remains valid until 19/Mar/2025 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.

ABS Rules
- Marine Vessels Rules (2020): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/13.3.1, 4-8-3/1.7, 4-8-3/1.9, 4-8-3/1.11, 4-9-9/7;

- Facilities on Offshore Installations (2019): 1-1-4/9.7, 1-1-A2, 1-1-A3;

- Mobile Offshore Units (2020): 1-1-4/9.7, 1-1-A3, 1-1-A4, 6-1-1/9, 6-1-1/13; 4-3-1/9, 4-3-1/11, 4-3-1/15;

- Steel Vessels for Service on Rivers and Intracoastal Waterways (2020): 1-1-4/7.7, 1-1-A3, 1-1-A4; 4-5-1/13, 4-5-1/17, 4-5-3/11.1.1(a);

- High Speed Crafts (2020): 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-7-9/7; 4-6-1/3.21.1, 4-6-3/9.1.1(a):

- Steel Barge Rules (2020): 1-1-4/7.9, 1-1-A3, 1-1-A4;

International Standards

IEC/EN 60945: 2002+ CORR1:2008

IEC 60079-11 Ed. 6.0 b:2011

EU-MED Standards
NA

National Standards
NA

Government Standards
NA

Other Standards
NA

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 19-May-2020 7:57

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.