Certificate Number: 10-HS590082-DUP

Confirmation of Product Type Approval 21/JUN/2010

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

This is to certify that, 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 15/MAR/2015. 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 06/JUN/2015 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.

CUTLER-HAMMER INDUSTRIES, LTD.
Model Name(s): Series CF Frame: FD, HFD, FDC, EHD, FDB, ED, EDB, EDS, EDH, EDC, FI, FDMP, HFDMP, FDE, HFDE, FDCE, FW, FWF, HFW, HFWK, FD--K, HFD--K, EHD--K, HMCP & HMCPS.

Presented to:
CUTLER-HAMMER INDUSTRIES, LTD.
CARRETERA SANCHEZ KM 18.5
PARQUE INDUSTRIAL ITABO, S.A. (PIISA)
SAN CRISTOBAL
Dominican Republic

Intended Service:	Marine & Offshore Application - Low Voltage Distribution Systems
Description:	Molded Case Circuit Breaker 1, 2, 3 & 4 Pole. Motor Circuit Protectors & Molded Case Switches available with Thermal Magnetic & Electronic Trip Units.
Ratings:	Ampere Ratings : 15A to 225A Voltage: 240, 277, 347, 480 & 600 VAC; 125, 250 VDC Interrupting, Short Time Rating see details as per attached Data Sheets.
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. (1) For ship applications relative to removable mounting see 4-8-3/5.3.3 (c) of the SV Rules. (2) Where used in locations with ambient temperatures greater than 40 °C the ratings (both normal and interrupting) are to be recalibrated/derated as appropriate. (3) For Marine use please note that the rated Ultimate Short-circuit Breaking Capacity (Icu) is to be the same as (and not higher than) the rated Short-circuit Service Breaking Capacity (Ics).
Comments:	Original PDA resides with Eaton Electrical Group - Moon Township
Notes / Documentation:	This Product Design Assessment (PDA) 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. Use in

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a non-classed vessel, MODU or Facility is to be to the satisfaction of the manufacturer and purchaser.

Term of Validity: This product/model is covered under Product Design Assessment (PDA) Certificate # 10-HS590082-DUP, dated 07/Jun/2010. This PDA Certificate expires 06/Jun/2015. It will remain valid for 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first). It is valid for all vessels contracted on or before the date of the Rules used in this evaluation.

ABS Rules: 2010 Steel Vessels Rules 1-1-4/7.7, 4-8-3/5.3.3; 2008 MODU Rules 4-3-4/11.1.

National Standards: UL 489 (UL File E7819 - Vol. FD, Issued 17 August 1994, Revised 19 August 2008 and Vol. MCP, Issued 17 August 1994, Revised 19 August 2008; UL File E59918 - Vol.1, Issued 17 August 1997, Revised 05 October 20080).

International Standards: IEC 60947-2 Edition 2.1:1998 (Kema Certificate 2012668.06 and 2012668.07 dated 20 June 2001) - For Model Nos. FW ,FWF and HFW only IEC 60947-2:1995 Edition 2.2: 2001 (Kema Certificate 2025423.02 9 April 2003) - For Model No. HFWK only

Government Authority:
EUMED:
Others:

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA-DUP	10-HS590082-DUP	07/JUN/2010	06/JUN/2015

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.

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