Certificate Number: 10-HS579929-DUP

Confirmation of Product Type Approval 29/APR/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 26/APR/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 C K Frame - KD, KDB, CKD, CKDB, HKD, HKDB, CHKD, CHKDB, KDC, KDCB, CKDC, CKDCB, HKD-DC, DK, KG, KI, KW, HKW, HKWK, KD--K, KDB--K, HKD--K, HKDB--K, DK--K, HMCP400

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 Applications - Low Voltage Power Circuit Breakers for use in Electrical Distribution Systems.
Description:	2, 3 & 4 Pole Molded Case Circuit Breakers, Motor Circuit Protectors & Molded Case Switches available with Thermal Magnetic & Electronic Trip Units.
Ratings:	Ampere Rating : 63 to 400 Amps; Voltage Rating : 600 Vac, 480 Vac, 240 Vac, 250Vdc See attached "pdf" for Rating Details
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, Moon Township
Notes / Documentation:	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under

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	contract for construction on the date of the ABS Rules used to evaluate the Product.
Term of Validity:	This product/model is covered under Product Design Assessment (PDA) Certificate # 10-HS579929-DUP, dated 27/Apr/2010. This PDA Certificate expires 26/Apr/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. KD, Issued 17 August 1994, Revised 16 July 2009 and Vol. MCP, Issued 17 August 1994, Revised 19 August 2008; UL File E59918 - Vol.1, Issued 17 August 1997, Revised 07 January2010).
International Standards:	IEC 60947-2:1995 Edition 2.1:1998-3 (Kema Certificate 2085698.01 17 Oct 05) - For Model Nos. KW and HKW only IEC 60947-2:1995 Edition 2.2: 2001 (Kema Certificate 2025423.04 9 April 2003) - For Model No. HKWK only.
Government Authority:	
EUMED:	
Others:	

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA-DUP	10-HS579929-DUP	27/APR/2010	26/APR/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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