Certificate Number: 09-HS514975C-DUP

Confirmation of Product Type Approval 16/NOV/2009

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 26/JUL/2014. 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 05/NOV/2014 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.

EATON ELECTRICAL DE PUERTO RICO

Model Name(s): IZM91H, IZM91N, IZM91B, IZMX16H, IZMX16N & IZMX16B,

Presented to:
EATON ELECTRICAL DE PUERTO RICO
SANTANA IND PARK, ARECIBO PLANT
CALLE 2, KM 67.6
ARECIBO
United States

Intended Service:	Ship & Offshore Marine Application - For use in Electrical Distribution Systems.
Description:	Moeller IZM IEC Low Voltage Three and four pole Air Circuit Breakers available in fixed or drawout versions, with either front or rear connections as per attached "pdf" Data Sheets
Ratings:	Frame Type: 3 or 4 Pole; Frame (91) : 630A to 1600A; Frame (X16): 630A to 1600A; Interrupting Capacity: Basic (B) 42kA@440 VAC, Normal (N) 50kA@440 VAC & High(H) 66kA@440 VAC Voltage: 240, 440, 690 VAC
Service Restrictions:	Unit Certification is not required for this product. (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 Capcity (Icu) is to be the same as (and not higher than) the rated Short-circuit Service Breaking Capacity (Isc). 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:	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 contract for construction on the date of the ABS Rules used to evaluate the Product.

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Term of Validity:	This Design Assessment Certificate number 09-HS514975C-DUP, dated 06/Nov/2009 will expire on 05/Nov/2014 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2010, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.
ABS Rules:	2009 Steel Vessels Rules 1-1-4/7.7, 4-8-3/5.3.3, 4-8-2/9.3
National Standards:	
International Standards:	IEC Certificate NL-16845, KEMA 60947-2 () Report No. 2124931.51dated 17 Sept 09
Government Authority:	
EUMED:	
Others:	

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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