



CERTIFICATE NUMBER
15-VC1400806-PDA

DATE
21 Aug 2015

ABS TECHNICAL OFFICE
TIV-MEX-Veracruz Engineering
Services

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of

EATON ELECTRICAL GROUP

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Molded Case Circuit Breaker**

Model: **Series G (EG Frame) - EGB, E125B, E160B, EGE, E125E, E160E, EGS, E125S, E160S, EGH, E125H, EGC, E125C, HMCPE, EGK, E125K**

This Product Design Assessment (PDA) Certificate 15-VC1400806-PDA, dated 21/Aug/2015 remains valid until 20/Aug/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.

AMERICAN BUREAU OF SHIPPING


Tim Kimble
Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

EATON ELECTRICAL GROUP
1000 CHERRINGTON PARKWAY
Moon Township PA
United States 15108
Telephone: 412-893-3792
Fax: 412-893-5937
Email: louisfgrahor@eaton.com
Web: WWW.EATON.COM

Tier: 2 - PDA Issued

Product: Molded Case Circuit Breaker

Model: Series G (EG Frame) - EGB, E125B, E160B, EGE, E125E, E160E, EGS, E125S, E160S, EGH, E125H, EGC, E125C, HMCPE, EGK, E125K

Intended Service:
Marine & Offshore Application - Low Voltage Distribution Protection

Description:
1, 2, 3 & 4 Pole Molded Case Circuit Breaker type EG, Motor Circuit Protectors type HMCPE and Molded Case Switches type EGK available with thermal Magnetic Tripping Systems

Rating:
15 to 160 Amps, 1 to 4 Pole. See attached "pdf" for details

Service Restriction:
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).
(4) Series HMCPE motor circuit protectors are for use only in combination motor controllers.

Comments:
Duplicate PDA resides with Cutler Hammer Industrial Ltd - SAN CRISTOBAL, DOMINICAN REPUBLIC.

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
For Molded Case Switches Type EGK Icc = Icu of the equivalent circuit breaker.

Notes/Drawing/Documentation:
KEMA Certificate # 2025423.01, for Circuit Breaker Type- Models E125K, issued 9 April 2003.
KEMA Certificate # 2036486.01, for Circuit Breaker Type- Models E160B,E160E, E160S issued 7 September 2007.
KEMA Certificate # 21063.01, for Circuit Breaker Type- Models HMCPE, issued 7 September 2007.
CA01200001E(1) Catalogues Pages
E59918 Vol1 UL
E7819 Vol EF UL Vol 19
E7819 Vol EF Sec 1 Overview
E7819 Vol MCP Section 10 Overview
E7819 Vol MCP UL auth page
E7819, Vol EF, APP A
EG ratings
EG_TB01200001E[1]
HMCPE Kema Keur
TD01202006E

Terms of Validity:
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STANDARDS

ABS Rules:

Rules for Conditions of Classification, Part 1 2015 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2015 Steel Vessel 4-8-3/5.3.3, 4-8-2/9.3;

ABS Rules for Conditions of Classifications, Part1, 2015 Offshore Unit and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3 which covers the following:

2015 Mobile Offshore Drilling Units 6-1-7/13.1.1

National:

ANSI/UL 489 10th Edition: 2002, File E7819 (22 November 2000, Revised 14 November 2008, 19 August 2009) & File E59918 (1 April 2002, Revised 23 February 2005)

International:

IEC 60947-2, KEMA Certificate 2078407.04 (6 September 2005) & KEMA Certificate 2025423.01(9 April 2003); EN 60947-2, KEMA Certificate 2106363.01 (24 September 2007) & KEMA Certificate 2036486.01 (7 September 2007)

Government:

NA

EUMED:

NA

OTHERS:

Manufacturers Brochure CAD1200001E



CERTIFICATE NUMBER
15-VC1400806-PDA-DUP

DATE
21 Aug 2015

ABS TECHNICAL OFFICE
TIV-MEX-Veracruz Engineering
Services

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Product: **Molded Case Circuit Breaker**

Model: **Series G (EG Frame) - EGB, E125B, E160B, EGE, E125E, E160E, EGS, E125S, E160S, EGH, E125H, EGC, E125C, HMCPE, EGK, E125K**

This Product Design Assessment (PDA) Certificate 15-VC1400806-PDA-DUP, dated 21/Aug/2015 remains valid until 20/Aug/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

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Dominican Republic 11116

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Email:

Web: www.eaton.com

Tier: 3 - Type Approved, unit certification not required

Product: Molded Case Circuit Breaker

Model: Series G (EG Frame) - EGB, E125B, E160B, EGE, E125E, E160E, EGS, E125S, E160S, EGH, E125H, EGC, E125C, HMCPE, EGK, E125K

Intended Service:

Marine & Offshore Application - Low Voltage Distribution Protection

Description:

1, 2, 3 & 4 Pole Molded Case Circuit Breaker type EG, Motor Circuit Protectors type HMCPE and Molded Case Switches type EGK available with thermal Magnetic Tripping Systems

Rating:

15 to 160 Amps, 1 to 4 Pole. See attached "pdf" for details

Service Restriction:

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.

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CA01200001E(1) Catalogues Pages
E59918 Vol1 UL
E7819 Vol EF UL Vol 19
E7819 Vol EF Sec 1 Overview
E7819 Vol MCP Section 10 Overview
E7819 Vol MCP UL auth page
E7819, Vol EF, APP A
EG ratings
EG_TB01200001E[1]
HMCPE Kema Keur
TD01202006E

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Tier: 3 - Type Approved, unit certification not required

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