



CERTIFICATE NUMBER

08-HG334434-1-PDA

DATE

29 July 2013

ABS TECHNICAL OFFICE

Hamburg Engineering Department

# CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**SIEMENS AG; I IA CE - D-92220 AMBERG**

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: **Relay, Overload**

MODEL: **SIRIUS 3RU11/ 3RU19**

This Product Design Assessment (PDA) Certificate 08-HG334434-1-PDA, dated 29/Jul/2013 remains valid until 28/Jul/2018 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

Efstratios Maliatsos  
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).



# ABS

Attach to ABS letter of 29 July 2013

Reference: **1050304/UN**

Project No.: 3032764

## Drawing List

<b>Engineering Office:</b>	Hamburg Engineering Department	
<b>Submitter:</b>	SIEMENS AG; I IA CE	
<b>Drawing No</b>	<b>Revision No</b>	<b>Drawing Title</b>
3RU1146	1	3RU1146
08-HG334434-PDA	1	08-HG334434-PDA
2235e	1	2235e
2237e	1	2237e
2246e	1	2246e
2248e	1	2248e
None 01	1	EUT of the several certificates from ABS
Index	1	Index
Material List for ABS Prolongation 2013	1	Material List for ABS Prolongation 2013
None 02	1	Extension List
001108 QM08 2011-08-12 deutsch	1	001108 QM08 2011-08-12 deutsch
RU1116	1	RU1116

**SIEMENS AG; I IA CE**  
WERNER-VON-SIEMENS-STR. 48  
D-92220 AMBERG  
Germany  
Telephone: +49-(0)9621-80-0  
Fax: +49-(0)9621-80-3141  
Email: kulzer.gerhard@siemens.com  
Web: www.siemens.com

- 1.) Siemens AG, I IA CE
- 2.) Siemens Energy and Automation, Inc.  
Bellefontaine/ U.S.A.
- 3.) Siemens Eletroeletronica SA, Manaus/ Brazil
- 4.) Siemens NST Trutnov/ Czech Republic
- 5.) Siemens SAN. ve Tic. A.S, Kartal/Turkey
- 6.) Siemens Industry, Inc, Southaven/USA

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**PRODUCT:**

**Relay, Overload**

**MODEL:**

**SIRIUS 3RU11/ 3RU19**

**Intended Service:**

Fixed mounted overload relays for installation in electrical switchboards and panels.

**Description:**

Thermal overload relays, remote reset and separate mounting module accessories.

**Ratings:**

3RU19 Rated Operating Voltage: 24-30V AC/ DC, 110-127V AC/ DC, 220-250V AC/ DC.

3RU11 Ratings Pn: 0.06-5.5kW, 0.75-11kW, 3-22kW, 11-45kW.

3RU11 Setting Ranges: 0.11-12A (20 setting ranges), 1.8-25A (12 setting ranges), 5.5-50A (10 setting ranges), 18-100A (8 setting ranges).

**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.

**Comments:**

Not Applicable.

**Notes / Drawings / 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.

**Term of Validity:**

This Product Design Assessment (PDA) Certificate 08-HG334434-1-PDA, dated 29/Jul/2013 remains valid until 28/Jul/2018 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.

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**STANDARDS**

**ABS Rules:**

2013 Steel Vessel Rules, 1-1-4/7.7, 4-8-3/1.7/1.17/5.3.3

**SIEMENS AG; I IA CE**

**National:**

NA

**International:**

IEC 60947

**Government Authority:**

NA

**EUMED:**

NA

**Others:**

NA