

CERTIFICATE NUMBER 16-HG1534964-PDA DATE 30 Jun 2016

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 GWA**

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 Innovation 3RU21/ 3RU29

This Product Design Assessment (PDA) Certificate 16-HG1534964-PDA, dated 30/Jun/2016 remains valid until 29/Jun/2021 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

Numinsk-

Ulf Numirski Engineer/Consultant

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). SIEMENS AG GWA WERNER-VON-SIEMENS-STR. 48 D-92220 AMBERG Germany Telephone: +49-(0)9621-80-0 Fax: +49-(0)9621-80-3141 Email: jens.witlatschil@siemens.com Web: www.siemens.com

Tier: 2 - PDA Issued

# Product:Relay, OverloadModel:SIRIUS Innovation 3RU21/ 3RU29Intended Service:Fixed mounted overload relays for installation in electrical switchboards and panels.

#### **Description:**

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

#### Rating:

3RU29/3RU19 - Remote Reset, Operating Voltage: 24-30V AC/DC, 110-127V AC/DC, 220-250V AC/DC 3RU21 Setting Ranges: 0.11-16A (21 setting ranges), 1.8-40A (16 setting ranges), 5.5-80A (14 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:**

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

#### Notes/Drawing/Documentation:

Drawing No. Catalog IC 10 Part 00 Preface, Catalog IC 10 Part 00 Preface, Revision: 1, Pages: 1
Drawing No. Catalog IC 10 Part 000 Cover, Catalog IC 10 Part 000 Cover, Revision: 1, Pages: 1
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Drawing No. Catalog IC 10 Part 07 Overload Relay - Excerpt, Catalog IC 10 Part 07 Overload Relay - Excerpt, Revision: 1, Pages: 1
Drawing No. Catalog IC 10 Part 16 Appendix, Catalog IC 10 Part 16 Appendix, Revision: 1, Pages: 1
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#### Tier: 2 - PDA Issued

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Tier: 2 - PDA Issued

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#### **STANDARDS**

ABS Rules: 2016 Steel Vessel Rules, 1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/1.7/1.17/5.3.3

National: NA

International: IEC 60947 (Edition 2014)

Government: NA

EUMED: NA

OTHERS: NA