



TYPE APPROVAL CERTIFICATE
No. **ELE113910CS**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	OVERLOAD RELAY AND ACCESSORIES
<i>Type</i>	Thermal Overload Relay 3RU21 and accessories
<i>Applicant</i>	SIEMENS AG - I IA CE WERNER VON SIEMENS STRASSE 48 92224 92220 AMBERG GERMANY
<i>Manufacturer</i>	SIEMENS AG - I IA CE
<i>Place of manufacture</i>	WERNER VON SIEMENS STRASSE 48 92224 92220 AMBERG GERMANY
<i>Reference standards</i>	Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **Hamburg** on **February 2, 2011**. This Certificate is valid until **February 1, 2016**

RINA
Daniele Chirulli

This certificate consists of this page and 1 enclosure



TYPE APPROVAL CERTIFICATE
No. ELE113910CS
Enclosure - Page 1 of 1
Thermal Overload Relay 3RU21 and accessories

Thermal Overload Relay 3RU2116; 3RU2126 and accessories type 3RU29

The 3RU21 devices are three pole thermal overload relays which are ambient temperature compensated and phase loss sensitive. They are used mainly to protect electrical motors against overload and phase failures.

General description:

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|-----------------------------|--|
| ● Number of poles: | 3 |
| ● Kind of current | ac |
| ● Methode of control. | manual / automatic, selectable and remote |
| ● Temperature compensation. | Yes up to 60° C |
| ● Ambient temperature: | 40° C up to 80° C (de-rating factor above 60° C) |
| ● Type of Terminals:. | Screw, spring-type or ring lug terminals |
| ● Degree of protection: | IP 20 |
| ● Installation: | Mounting on to contactor or stand alone installation |

Technical Data:

Main circuit 3RU2116 (size S00) and 3RU2126 (size S0)

- | | |
|------------------------------------|--|
| ● Rated operational voltage: | Ue / Ui: 690 V |
| ● Rated impulse withstand voltage: | Uimp: 6 kV |
| ● Rated current: | Ith / Ie: 16 A max (for 3RU2116)
Ith / Ie 40 A max (for 3RU2126) |
| ● Setting range: | 0,11 A-0,16 A up to 11 A - 16 A, 21 setting ranges (for 3RU2116)
1,8 A - 2,5 A up to 34 A - 40 A, 16 setting ranges (for 3RU2126) |
| ● Rated frequency: | 50/60 Hz |
| ● Rated conditional short-circuit: | Iq: 100 kA |
| ● Tripping class: | Class 10 |

Accessories:

- | | |
|---------------------------------|--|
| ● 3RU2900-1A; 3RU1900-1A | Mechanical RESET |
| ● 3RU2900-1B/1C ; 3RU1900-1B/1C | Cable releases with holder for RESET |
| ● 3RU1900-2A | Modules for remote RESET electrical |
| ● 3RU29/3RV29/3RT29 | Terminal covers or sealable covers |
| 3RU19/3RV19/3RT19 | Terminal covers or sealable covers |
| ● 3RU2916-3A; 3RU2926-3A | Terminal breakers for stand-alone installation |

Reference documents:

- General drawings
- Standards IEC 60947-4-1; IEC 60947-5-1
- Catalog Excerpt, LV1 N SIRIUS Innovations, pages 5-34 to 5-46, 5-50
- EC-Declaration of Conformity No. 2962-01
- Test reports No.: 09055TMS, tests according to SN 27095, Vibration- and Environmental Tests
- SIEMENS Test-Certificate No.: 2995 and 2996

Hamburg February 2, 2011

