



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER Siemens AG, GWA
Werner-von-Siemens Str. 48
92220 Amberg
Germany

DESCRIPTION SIRIUS Innovation – Low voltage switchgear overload relays (thermal)

TYPE
3RU2116 - B 0
I II III IV

I. Basic Type of 3 pole thermal overload relay

3RU2116 - Size S00

3RU2126 - Size S0

3RU2136 - Size S2

II. Setting ranges size S00

-0A - 0.11 – 0.16 A

-0B - 0.14 – 0.2 A

-0C - 0.18 – 0.25 A

-0D - 0.22 – 0.32 A

-0E - 0.28 – 0.4 A

-0F - 0.35 – 0.5 A

-0G - 0.45 – 0.63 A

-0H - 0.55 – 0.8 A

-0J - 0.7 – 1 A

-0K - 0.9 – 1.25 A

Certificate No. 11/20001 (E1)

Issue Date 08 November 2016

Expiry Date 13 January 2021

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Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA



LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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TYPE continued

- 1A - 1.1 – 1.6 A
- 1B - 1.4 – 2 A
- 1C - 1.8 – 2.5 A
- 1D - 2.2 – 3.2 A
- 1E - 2.8 – 4 A
- 1F - 3.5 – 5 A
- 1G - 4.5 – 6.3 A
- 1H - 5.5 – 8 A
- 1J - 7 – 10 A
- 1K - 9 – 12.5 A
- 4A - 11 – 16 A

II. Setting ranges size S0

- 1C - 1.8 – 2.5 A
- 1D - 2.2 – 3.2 A
- 1E - 2.8 – 4 A
- 1F - 3.5 – 5 A
- 1G - 4.5 – 6.3 A
- 1H - 5.5 – 8 A
- 1J - 7 – 10 A
- 1K - 9 – 12.5 A
- 4A - 11 – 16 A
- 4B - 14 – 20 A
- 4C - 17 – 22 A
- 4D - 20 – 25 A
- 4N - 23 – 28 A
- 4E - 27 – 32 A
- 4P - 30 – 36 A
- 4F - 34 – 40 A

II. Setting ranges size S2

- 1H - 5.5 – 8 A
- 1J - 7 – 10 A
- 1K - 9 – 12.5 A
- 4A - 11 – 16 A

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TYPE continued

- 4B - 14 - 20 A
- 4D - 18 - 25 A
- 4E - 22 - 32 A
- 4F - 28 - 40 A
- 4G - 36 - 45 A
- 4H - 40 - 50 A
- 4Q - 47 - 57 A
- 4J - 54 - 65 A
- 4K - 62 - 73 A
- 4R - 70 - 80 A

III. Type of terminals

B - S00/S00/S2: Screw terminals

C - S00/S0: Spring terminals

D - S2: Main circuit: Screw terminals; Auxiliary circuit: Spring terminals

J - S00/S0: Ring relay terminals

IV. Mounting type

0 - For mounting to the contactor

1 - Standalone mounting

Accessories for thermal overload relay

3RU1900	-	2A	B71
I		II	III

I. Basic Type

3RU1900 - Remote reset for use with 3RU1 and 3RU2

3RU2900 - Remote reset for use with 3RU2

II. Type of function

-1A - mechanical remote reset, stabile

-1B - mechanical remote reset, flexible 400 mm

-1C - mechanical remote reset, flexible 600 mm

-2A - electrical mechanical remote reset

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TYPE continued

Voltage ratings (for types 2A with screw terminals)

- B71 - 24 - 30 V ac/dc
- F71 - 110 - 127 V ac/dc
- M71 - 220 - 250 V ac/dc

Further accessories suitable for thermal overload relay size S00

- 3RU2916-3AA01 - Connecting support for screw terminal
- 3RU2916-3AC01 - Connecting support for spring terminal
- 3RU2916-3BJ21 - Cover for devices with ring lug terminal
- 3RU2916-3BJ20 - Cover for devices with ring lug terminal
- 3RT2916-4EA13 - Cover for devices with ring lug terminal
- 3RV2908-0P - Sealable cover

Further accessories suitable for thermal overload relay size S0

- 3RU2926-3AA01 - Connecting support for screw terminal
- 3RU2926-3AC01 - Connecting support for spring terminal
- 3RU2926-3BJ21 - Cover for devices with ring lug terminal
- 3RV2928-4AA00 - Cover for devices with ring lug terminal
- 3RT2916-4EA13 - Cover for devices with ring lug terminal
- 3RV2908-0P - Sealable cover

Further accessories suitable for thermal overload relay size S2

- 3RU2936-3AA01 - Connecting support for screw terminal
- 3RV2908-0P - Sealable cover

APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.

STANDARD

- IEC 60947-4-1:2009-09 + A1:2012-07
- IEC 60947-5-1:2003-11 + A1:2009-04

RATINGS

- Rated operational voltage U_e : 690 V
- Rated frequency: 50/60 Hz

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OTHER CONDITIONS Correction factor for ambient air temperature above 60° C is to be obtained from manufacturer.

PLACE OF PRODUCTION Siemens AG, GWA
Werner-von-Siemens Str. 29
93413 Cham
Germany

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 34376-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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