

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20160610-E44653  
**Report Reference** E44653-20150514  
**Issue Date** 2016-JUNE-10

**Issued to:** SIEMENS AG  
I IA CE CP R&D-VI 4  
WERNER-VON-SIEMENS-STRASSE 48  
92220 AMBERG GERMANY

**This is to certify that representative samples of** AUXILIARY DEVICES  
(See following pages for additional information.)

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 60947-5-1, Low-Voltage Switchgear and Controlgear – Part 5-1: Control Circuit Devices and Switching Elements – Electromechanical Control Circuit Devices  
UL 60947-1, Low-Voltage Switchgear and Controlgear – Part 1: General Rules  
CSA C22.2 No. 60947-5-1-14, Low-Voltage Switchgear and Controlgear – Part 5-1: Control Circuit Devices and Switching Elements – Electromechanical Control Circuit Devices  
CSA C22.2 No. 60947-1-13, Low-Voltage Switchgear and Controlgear – Part 1: General Rules

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

## Product Covered:

Solid-State Time Relay, Type 3RP25, followed by 0, 1, 2, 3, 4, 5, 6 or 7 followed by 0, 1, 2, 3, 4, 5, 6, 7 followed by -1 or -2, followed by A, B, C, E, N, S, followed by T, W, M or B followed by 2 or 3 followed by any number or character.

Solid-State Time Relay, positively driven, Type 3RP25, followed by 0, 1, 2, 3, 4, 5, 6 or 7, followed by 0, 1, 2, 3, 4, 5, 6, 7, followed by -1 or -2, followed by R, followed by W followed by 2 or 3 followed by any number or character.

Accessories, Push-in Lug, Type 3ZY1311-0AA00; Sealing cap 17.5 mm, Type 3ZY1321-1AA00; Sealing cap, 22.5 mm, Type 3ZY1321-2AA00.

## General:

These devices are solid-state time relays for use in industrial applications with semiconductor or relay output. The outputs are intended to control contactor or relay coils. Type 3RP25 devices are intended for snap mounting.

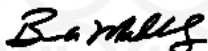
## Ratings:

Input: Control voltage (See nomenclature breakdown for details)  
12 through 240 Vac/dc  
400 through 440 Vac  
200 through 240 Vac and 380 through 440 Vac  
24 V ac/dc  
24 through 240 V ac/dc

Output: B300, R300 (pilot duty), for types with relay output

For 3RP25...-E... types:  
12-240 Vac/dc, 600 mA, (pilot duty)

For 3RP25...-C... types:  
250 Vac, 1 A, Pilot Duty  
250 Vdc, 1 A, Resistive



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Ambient: Maximum Surrounding Air Temperature of 50°C.

## NOMENCLATURE BREAKDOWN

|                       |           |            |   |           |          |           |            |             |
|-----------------------|-----------|------------|---|-----------|----------|-----------|------------|-------------|
| <u>3</u> RP <u>25</u> | <u>0</u>  | <u>0</u>   | - | <u>1</u>  | <u>A</u> | <u>T</u>  | <u>2</u>   | <u>...</u>  |
| <u>I</u>              | <u>II</u> | <u>III</u> |   | <u>IV</u> | <u>V</u> | <u>VI</u> | <u>VII</u> | <u>VIII</u> |

### I. Basic Type

3RP25 - Solid-state time relays, 22.5 mm or 17.5 mm housing

### II. Function

- 0 - Multi function
- 1 - On-delay, one time setting range
- 2 - On-delay, more than one time setting ranges
- 3 - Off-delay, more than one time setting range, with auxiliary voltage
- 4 - Off-delay, more than one time setting ranges
- 5 - Clock pulse
- 6 - Star delta with idling time
- 7 - Star delta

### III. Time setting ranges

- 0 - 0.05 to 600 seconds
- 1 - 0.5 to 10 seconds
- 2 - 1.5 to 30 seconds
- 3 - 5.0 to 100 seconds
- 4 - 1.0 to 20 seconds
- 5 - 0.05 to 100 hours in 7 time different ranges
- 6 - 3.0 to 60 seconds
- 7 - 0.05 to 240 seconds in 4 different time ranges

### IV. Type of Terminals

- 1 - Screw Terminal
- 2 - Push-in Terminal



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- V. Switching elements and positively driven output
- A - Relay output, 1 changeover contact
  - B - Relay output, 2 changeover contacts
  - C - Solid state, ac/dc, 1 NO
  - E - Solid state, ac/dc, single wire, 1 NO
  - N - Relay output, 2 NO
  - R - Relay output, 2 changeover contacts, positively driven
  - S - Relay output, 3 NO

- VI. Operating Voltage for switching elements
- T - 400 to 440 V ac
  - W - 12 to 240 V ac/dc
  - M - 200 to 240 and 380 to 440 V ac
  - B - 24 V ac/dc

- VI. Operating Voltage for positively driven output
- W - 24 to 240 V ac/dc

- VII. Frequency
- 2 - 50/60 Hz ac
  - 3 - 50/60 Hz, ac/dc

- VIII. Manufacturers identification



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