

CERTIFICATE OF COMPLIANCE

Certificate Number 20180620-E44653
Report Reference E44653-20091118
Issue Date 2018-JUNE-20

Issued to: SIEMENS AG
DF CP R&D VC 2
Wener-von-Siemens-Strasse 48
92224 Amberg, GERMANY

This is to certify that representative samples of AUXILIARY DEVICES
(See Addendum for Additional Information.)

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

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

Additional Information: See the UL Online Certifications Directory at 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

UL LLC

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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.

Addendum -

Products Covered:

USL, CNL - Type No. 3RH2 followed by 1, 2, 3, 4 or 8 followed by 0, 1, 2, 3, 4, 5, 6, 7 or 8 followed by 0, 1, 2, 3, 4, 5, 6, 7 or 8, followed by -1, -2 or -4, followed by A, B, F, G, H, J, K, L, M, P, Q, S, T, U, V W or X, followed by a character and a number, may be followed by suffix letters and/or numbers.

General:

These devices are open types 4 or 8 pole control relays for use in industrial applications.

Ratings:

A600/Q600, 24 V dc/10 A pilot duty for the basic device
A600/Q600, 24 V dc/6 A pilot duty for the auxiliary contact block

240 V ac/10 A General use for the basic device and the auxiliary contact block


Coil Ratings: All models, excluding operating system suffix "X":
24 through 600 V ac
12 through 250 V dc

Operating system suffix "X" only:
24 through 34 V dc, 72 through 125 V dc

NOMENCLATURE BREAKDOWN:

3RH2	1	4	4	-1	A	..	.-....
I	II	III	IV	V	VI	VII	VIII

- I. Basic Type
- II. Control Relay
 - 1 - 4 pole
 - 2 - 8 pole with top mounted, not removable auxiliary contact block
 - 3 - 8 pole with top mounted, removable auxiliary contact block
 - 4 - Latched control relay
 - 8 - specifies commercial versions



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NOMENCLATURE BREAKDOWN (Cont.):

III. Contact Arrangements for NO

- 0 - non NO
- 1 - 1 NO
- 2 - 2 NO
- 3 - 3 NO
- 4 - 4 NO
- 5 - 5 NO
- 6 - 6 NO
- 7 - 7 NO
- 8 - 8 NO

IV. Contact Arrangements for NC

- 0 - non NC
- 1 - 1 NC
- 2 - 2 NC
- 3 - 3 NC
- 4 - 4 NC
- 5 - 5 NC
- 6 - 6 NC
- 7 - 7 NC
- 8 - 8 NC

V. Type of Terminals

- 1 - Screw Terminal
- 2 - Spring Terminal
- 4 - Ring Lug Terminal

VI. Operating System

- A - AC operating system
- B - DC operating system
- H - DC operating system; operating limits 0.7 ... 1.25 x operating voltage
- F - DC operating system with integrated diode
- J - DC operating system with integrated diode; operating limits 0.7 ... 1.25 x operating voltage, for devices between 24 V and 110 V only.
- G - DC operating system with integrated bridge rectifier for AC control voltage
- P - AC operating system with integrated Z-diode combination
- S or U - DC operating system with integrated suppressor diode
- T - AC operating system with integrated varistor
- K - DC operating system with integrated suppressor diode; operating limits 0.7 ... 1.25 x operating voltage
- L - DC operating system with integrated varistor; operating limits 0.7 ... 1.25 x operating voltage



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NOMENCLATURE BREAKDOWN (Cont.):


- Q – DC operating system with factory assembled EMC protective device; operating limits 0.7 ... 1.25 x operating voltage
- M – DC operating system operating limits max. 1.58 x operating voltage
- V – DC operating system with integrated diode; operating limits max. 1.58 x operating voltage
- W - DC operating system with factory assembled EMC protective device; operating limits max. 1.58 x operating voltage
- X – DC operating system with electronic coil control

VII. Operating Voltage

.. - 24 V through 600 V ac or 12 through 250 V dc

VIII. Identification

.-.... – Suffix numbers and/or characters specify commercial version



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