

CERTIFICATE OF COMPLIANCE

Certificate Number E235044
Report Reference E235044 – 20090821
Issue Date 2020-OCTOBER-19

Issued to: SIEMENS AG
SI EP R&D TC 1
Wener-von-Siemens-Strasse 48
92224 Amberg, GERMANY

This is to certify that representative samples of Circuit Breakers, Molded Case and Circuit-breaker Enclosures
(See Addendum Page for Additional Information.)

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

Standard(s) for Safety: ANSI/UL 489, "Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures."
CAN/CSA-C22.2 No. 5, "Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures."

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 – Molded Case Circuit Breaker, Type N or H, followed by 3RV2711, 3RV2811, 3RV2721 or 3RV2821, followed by -0A, -0B, -0C, -0D, -0E, -0F, -0G, -0H, -0J, -0K, -1A, -1B, -1C, -1D, -1E, -1F, -1G, -1H, -1J, -1K, -4A, -4B or -4C, followed by D, followed by 1, followed by 0. May be followed by additional numbers and letters for manufacturers use.

General:

Type 3RV2711 and 3RV2721 devices are 3 pole thermal-magnetic circuit breaker. They are provided with ambient compensated, non replaceable thermal trip units. The handle takes an intermediate position upon tripping (moves to off upon tripping). Types 3RV2811 and 3RV2821 are identical to 3RV2711 and 3RV2721 except adjustments. Line or load side of the main terminals may be used in reverse also.

These devices may be provided with Listed circuit breaker accessories covered in the DIHS File E250201. The accessories may be factory or field installed.

In addition terminal block type 3RV2925-5EB together with busbars 3RV1915 may be used with Listed circuit breakers 3RV2711, 3RV2811, 3RV2721 or 3RV2821. With these busbars Line or load side of the main terminals may not be used in reverse.

In addition Infeed system 3RV2917 together with U-connector 3RV1927-5A may be used with Listed circuit breakers 3RV2711, 3RV2811, 3RV2721 or 3RV2821. With this Infeed system Line or load side of the main terminals may not be used in reverse.

Ratings of CB:

Type H, 3RV2711 and Type H, 3RV2811

Voltage: 600Y/347 V

Current: 0.16 A through 12.5 A; 100 % Continuous Current

Short Circuit Ratings:

10 kA at 600Y/347 V

65 kA at 480Y/277 V

When used with 3RV2925-5EB and 3RV1915 busbars:

0.16 A through 12.5 A; 100 % Continuous Current

When used with 3RV2917 and 3RV1927-5A:

0.16 A through 12.5 A; 80 % Continuous Current



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Type N, 3RV2711 and Type N, 3RV2811

Voltage: 480Y/277 V

Current: 15 A; 100 % Continuous Current

Short Circuit Ratings:

65 kA at 480Y/277 V

When used with 3RV2925-5EB and 3RV1915-2AB, -2BB, -2CB, -2DB, -3AB or -3CB busbars:

15 A; 100 % Continuous Current

When used with 3RV2925-5EB and 3RV1915-1AB, -1BB, -1CB or -1DB busbars:

15 A; 80 % Continuous Current

When used with 3RV2917 and 3RV1927-5A:

15 A; 80 % Continuous Current

Type N, 3RV2721 and Type N, 3RV2821

Voltage: 480Y/277 V

Current: 20 A through 22 A; 100 % Continuous Current

Short Circuit Ratings:

50 kA at 480Y/277 V

When used with 3RV2925-5EB and 3RV1915 busbars:

20 A through 22 A; 80 % Continuous Current

When used with 3RV2917 and 3RV1927-5A:

20 A through 22 A; 80 % Continuous Current

Single Phase Applications

Model No.	Voltage	Short Circuit
Type H 3RV2711 and Type H, 3RV2811, rated 0.16A up to 12.5A	347 V	10 kA
Type H 3RV2711 and Type H, 3RV2811, rated 0.16A up to 12.5A	277 V	65 kA
Type N, 3RV2711 and Type N, 3RV2811, rated 15A	277 V	65 kA
Type N, 3RV2721 and Type N, 3RV2821, rated 20A and 22A	277 V	50 kA

Torque Value: 2.75 Nm



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ENCLOSURE

The circuit breakers were tested in an enclosure of dimensions 6.3 in (160 mm) deep, 11.8 in (300 mm) wide, 12.6 in (320 mm) high.

When used with 3RV1915-busbar system or Infeed system 3RV2917: Surrounding air temperature 40°C.

NOMENCLATURE BREAKDOWN

N	3RV2711	0A	D	1	0
	I	II	III	IV	V

Prefix:

Type N – rated 480Y/277 V, 65kA or 50kA
Type H – rated 480Y/277 V, 65kA and 600Y/347 V, 10kA

- I. Basic type
- 3RV2711 - circuit Breaker Size S00, adjusted to 13 times rated current, up to 15 A
 - 3RV2811 - circuit Breaker Size S00, adjusted to 20 times rated current, up to 15 A
 - 3RV2721 - circuit Breaker Size S0, adjusted to 13 times rated current, 20 up to 22 A
 - 3RV2821 - circuit Breaker Size S0, adjusted to 20 times rated current, 20 up to 22 A



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II. Rated Current

- 0A - 0.16 A, Type H3RV2711 or H3RV2811
- 0B - 0.2 A, Type H3RV2711 or H3RV2811
- 0C - 0.25 A, Type H3RV2711 or H3RV2811
- 0D - 0.32 A, Type H3RV2711 or H3RV2811
- 0E - 0.4 A, Type H3RV2711 or H3RV2811
- 0F - 0.5 A, Type H3RV2711 or H3RV2811
- 0G - 0.63 A, Type H3RV2711 or H3RV2811
- 0H - 0.8 A, Type H3RV2711 or H3RV2811
- 0J - 1.0 A, Type H3RV2711 or H3RV2811
- 0K - 1.25 A, Type H3RV2711 or H3RV2811
- 1A - 1.6 A, Type H3RV2711 or H3RV2811
- 1B - 2.0 A, Type H3RV2711 or H3RV2811
- 1C - 2.5 A, Type H3RV2711 or H3RV2811
- 1D - 3.2 A, Type H3RV2711 or H3RV2811
- 1E - 4.0 A, Type H3RV2711 or H3RV2811
- 1F - 5.0 A, Type H3RV2711 or H3RV2811
- 1G - 6.3 A, Type H3RV2711 or H3RV2811
- 1H - 8.0 A, Type H3RV2711 or H3RV2811
- 1J - 10 A, Type H3RV2711 or H3RV2811
- 1K - 12.5 A, Type H3RV2711 or H3RV2811
- 4A - 15 A, Type N3RV2711 or N3RV2811
- 4B - 20 A, Type N3RV2721 or N3RV2821
- 4C - 22 A, Type N3RV2721 or N3RV2821

III. Tripping Class

- D - Circuit Breaker

IV. Type of Terminal

- 1 - Screw Terminals

V. Auxiliary Switches

- 0 - without



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