



**TYPE APPROVAL CERTIFICATE**  
No. **ELE074021XG/009**

**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>	<b>Circuit breaker and accessories</b>
<i>Type</i>	<b>3RV2 and accessories 3RV29, 8US1, 3RV19</b>
<i>Applicant</i>	<b>SIEMENS AG - GWA WERNER VON SIEMENS STRABE 48 92220 Amberg GERMANY</b>
<i>Manufacturer</i>	<b>SIEMENS AG - GWA</b>
<i>Place of manufacture</i>	<b>WERNER VON SIEMENS STRABE 29 93413 Cham GERMANY</b>
<i>Reference standards</i>	<b>IEC 60947-2; IEC 60947-4-1; IEC 60947-5-1</b>

Issued in **Hamburg** on **February 24, 2022**. This Certificate is valid until **July 7, 2026**

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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure

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**3RV2 and accessories 3RV29, 8US1, 3RV19**

**Product Description:**

The SIRIUS 3RV2 series are 3 pole circuit breakers with accessories

**1. Circuit breakers IEC-type:**

**Order Code:** 3RV2a bb -cc d e f g

**a - Basic Type:**

- 0 - Circuit Breaker for motor protection
- 1 - Circuit Breaker for motor protection with overload function
- 3 - Circuit Breaker for starter combination
- 4 - Circuit Breaker for transformer protection

**bb - Size of terminal for main circuit :**

11; 21; 23; 31; 32; 41; 42

**cc - Setting Ranges:**

Size S00: 0A; 0B; 0C; 0D; 0E; 0F; 0G; 0H; 0J; 0K; 1A; 1B; 1C; 1D; 1E; 1F; 1G; 1H; 1J; 1K; 4A;  
Size S0: 0A; 0B; 0C; 0D; 0E; 0F; 0G; 0H; 0J; 0K; 1A; 1B; 1C; 1D; 1E; 1F; 1G; 1H; 1J; 1K; 4A; 4B; 4C; 4D; 4E;  
4F; 4N; 4P;  
Size S2: 4A; 4B; 4D; 4E; 4F; 4G; 4H; 4J; 4K; 4P; 4Q; 4R; 4S; 4T; 4U; 4V; 4W; 4X  
Size S3: 4F; 4H; 4J; 4K; 4M; 4R; 4Y

**d - Tripping Class:**

A; B; C

**e - Type of Terminals:**

1; 2; 4

**f - Auxiliary Switches: (Combinations with certified accessories Type 3RV29...)**

0; 1; 2; 3; 4; 5; 6

**g - Others:**

.. - Manufacturer's identification

**2. Circuit breakers UL489-type:**

**Order Code:** 3RVaaaa -bb D 1 0

**aaaa - Basic type:**

2711 - circuit Breaker acc. UL489, adjusted to 13 times rated current up to 15 A  
2811 - circuit Breaker acc. UL489, adjusted to 20 times rated current up to 15 A  
2721 - circuit Breaker acc. UL489, adjusted to 13 times rated current from 20 A up to 22 A  
2821 - circuit Breaker acc. UL489, adjusted to 20 times rated current from 20 A up to 22 A  
2742 - circuit Breaker acc. UL489, adjusted to 13 times rated current from 10 A up to 70 A

**bb - Rated Current:**

0A; 0B; 0C; 0D; 0E; 0F; 0G; 0H; 0J; 0K; 1A; 1B; 1C; 1D; 1E; 1F; 1G; 1H; 1J; 1K; 4A; 4B; 4C;  
5A; 5B; 5C; 5D; 5E; 5F; 5G; 5H; 5J; 5L; 5Q; 5R; 5S

**3. Accessories:**

3RV2901-...; 3RV2921-...	Auxiliary contacts, different contacts arrangements
3RV2902-...; 3RV2922-...	Undervoltage trip units 24V up to 500V, Shunt releases
3RA2943-...; 3RT1946-...; 3RT2946-...; 3RV2901-...;	Circuit breaker accessories
3RV2908-...; 3RV2915-...; 3RV2925-...; 3RV2928-...;	
3RV2938-...; 3RV2948-...;	
8US1211-...; 8US1251-...; 8US1261-...	Busbar adapter for 3-phase busbar system
3RV1915-...; 3RV1935-...; 3RV2935-...	Busbar accessories
3RV2917-...; 3RV2927-...	Infeed components up to 63 A, Ui=500V



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**3RV2 and accessories 3RV29, 8US1, 3RV19**

**Technical data:**

Size	S00/S0	S2	S3
Number of poles:	3	3	3
Rated operational voltage (Ue):	690V AC	690V AC	690V AC
Current Ie max:	40 A	80A	100A
Rated frequency:	50/60Hz	50/60Hz	50/60Hz
Rated impulse withstand voltage Uimp:	6kV	6kV	8kV
Service short circuit breaking capacity (Ics):	According to table 1 of Equipment under Test 3RV2	According to table 2 of Equipment under Test 3RV2	According to table 3 of Equipment under Test 3RV2
Ultimate short circuit breaking capacity (Icu):			
Method of mounting:	Screw, snap mounting or mounting on infeed system	- for 3RV2.31 up to 45A: snap mounting or mounting on infeed system - for 3RV2.31 >=50A and 3RV2.32: screw, snap mounting, or mounting on infeed system	Screw, snap mounting or mounting on infeed system
Degree of protection:	IP20 on the front for spring and screw terminals, IP00 on the front for ring lug terminals		
Main terminals:	Screw, spring or ring lug terminal	Screw terminal	Screw terminal
Control terminals:	Screw, spring or ring lug terminal		
Max. Ambient temperature:	up to 32A: 60°C Versions 36A and 40A: 40°C or derating to 34A or 38A at 45°C	up to 80A: 60°C	up to 100A: 60°C

**Documents:**

- A5E31487886000A Rev. 001; A5E31510134000A Rev. 002; NEZ461200100000 Rev. 04; NEZ461200600000 Rev. 04;  
- NEZ462000100000 Rev. 010; NEZ463000100000 Rev. 10; A5E03774150A/RS-AB/002; A5E31844248001A/RS-AC/003;  
- A5E35749800001A/RS-AA/001; A5E37035309001A/RS-AB/002; NEB461258010000/RS-AF/009;  
- NEB461258230000/RS-AB/002;  
Catalogue: - SIRIUS\_IC10\_Edition\_2017\_pages\_7-7\_to\_7-59;  
EC Declaration of Conformity: 2953 09 dated 2016-08-11  
Equipment Under Test Circuit Breaker 3RV2 version 4.0 dated February 2018

**Test reports:**

**Siemens AG:** -07030TMI01 dated 2017-05-24; 07049TMI01a dated 2012-04-13; 07049TMI02a dated 2012-04-13;  
- 07049TMI03a dated 2012-04-13; 07049TMI04a dated 2012-04-13; 09052TMs dated 2010-07-27;  
- 11101ENI01 dated 2012-05-02; 12104ENI01 dated 2012-11-19; 13011ENI01 dated 2015-05-06;  
- 13011ENI02 dated 2015-05-11; 13011ENI03 dated 2017-01-10; 13012ENS dated 2013-02-27;  
- 14031PMV06 dated 2016-03-08; 15029ENI01 dated 2015-11-19; 15044ED04 dated 2018-02-14;  
- 15082I01 dated 2016-12-09; 15082I02 dated 2016-12-09; 15082I03 dated 2017-01-20;  
- 16003IR01 dated 2016-04-08; 16003IR02 dated 2016-12-13; A3X2G10\_3RV24\_Pester dated 2017-08-29;  
- Type Test Certificates: 3003e dated 2017-07-19; 3291a dated 2017-01-17; 3347 dated 2017-01-30;  
**TÜV Rheinland LGA Products GmbH:** - 21243174-002 dated Jan 08 2016; 21243174-002 dated Nov 13, 2015



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**3RV2 and accessories 3RV29, 8US1, 3RV19**

**Additional Places of Production :**

Siemens, s.r.o., odstěpny závod Nízkonapět'ová spínací technika  
Volanovská 516  
541 01 Trutnov,  
Czech Republic

**Remarks:**

- The products fulfill **EC-Code: 3a1/41**.
- The Manufacturer's installation recommendation regarding mounting on DIN rail for Size S3 is to be considered.
- *This certificate cancels and replaces the previous certificate ELE091617XG.*

**Hamburg February 24, 2022**

