



TYPE APPROVAL CERTIFICATE
No. **ELE141616XG/001**

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

Issued in **Hamburg** on **September 1, 2016**. *This Certificate is valid until* **August 31, 2021**

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

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

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

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

3. Accessories:

3RV2901-..; 3RV2921-..	Auxiliary contacts, different contacts arrangements
3RV2902-..; 3RV2922-..	Undervoltage trip units 24V up to 500V, Shunt releases
3RV2901-..; 3RV2908-..; 3RV2915-..; 3RV2925-..	Circuit breaker accessories
3RV2928-..; 3RV2938-..	
8US1251-..; 8US1261-..	Busbar adapter for 3-phase busbar system up to 63 A
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:

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

Documents:

Drawings:- A5E31510134000A Rev. 002: NEZ461200100000 Rev. 04; NEZ461200600000 Rev. 04;
- NEZ462000100000 Rev. 010
Operating Instruction: - NEB461258010000/RS-AE/08; NEB461258230000/RS-AB/002;
- A5E03774150A/RS-AB/002;
Catalogue: - SIRIUS IC10 Edition 2015 pages 7-7 up to 7-50
EC Declaration of Conformity:2953.07 dated 2016-04-20
Equipment Under Test Circuit Breaker 3RV2 version 3.0 dated 2016-04
Siemens AG: -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; 13012ENS dated 2013-02-27; 14031PMV06 dated 2016-03-08;
- Type Test Certificate 3003c dated 2012-11-21; 3291 dated 2015-06-17
TÜV Rheinland LGA Products GmbH: - 21243174-002 dated Jan 08 2016; 21243174-002 dated Nov 13 2015

Additional Places of Production:

SIEMENS San, ve Tic. A.S
Yakacik Cad. No: 111 34870
34861 Kartal - Istanbul
Turkey

Siemens, s.r.o., odstěpný závod Nízkonapětová spínací technika
Volanovská 516
541 01 Trutnov,
Czech Republic

Remarks:

The product is subject to the compliance with RINA Rules Pt.C, Ch.3, Sec.6, Tab.1, where applicable, and with the Standard mentioned on the certificate.

This certificate cancels and replaces the previous certificate ELE000713XG. ^{sv}

Hamburg September 01, 2016

