

CERTIFICATE OF COMPLIANCE

Certificate Number 20180328-E143112
Report Reference E143112-20180207
Issue Date 2018-MARCH-28

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**

MOTOR CONTROLLERS, MECHANICALLY OPERATED
AND SOLID-STATE

Refer to addendum page for Models/Product.

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

Standard(s) for Safety:

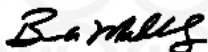
UL 60947-1 LOW-VOLTAGE SWITCHGEAR AND
CONTROLGEAR - PART 1: GENERAL RULES
UL 60947-4-2 LOW-VOLTAGE SWITCHGEAR AND
CONTROLGEAR - PART 4-2: CONTACTORS AND MOTOR-
STARTERS - AC SEMICONDUCTOR MOTOR CONTROLLERS
AND STARTERS
CSA C22.2 NO. 60947-4-2-14 LOW-VOLTAGE SWITCHGEAR
AND CONTROLGEAR - PART 4-2: CONTACTORS AND
MOTOR-STARTERS - AC SEMICONDUCTOR MOTOR
CONTROLLERS AND STARTERS
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 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.



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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.


Models:

USL, CNL - Solid-state motor controller, Type 3RW55 followed by 13, 14, 15, 16, 17, 21, 24, 25, 26, 27, 34, 35, 36, 43, 44, 45, 46, 47, or 48, followed by 0, 1, 2, 3, 6, 8, followed by A or H, followed by A, F, T, or S, followed by 0 or 1, followed by 4 or 5, may be followed by additional suffix letters and/or numbers.

USL, CNL - Solid-state motor controller, Type 3RW52 followed by 13, 14, 15, 16, 17, 24, 25, 26, 27, 34, 35, 36, 43, 44, 45, 46, 47, or 48 followed by 0, 1, 2, 3, 6 or 8, followed by A or T, followed by C, followed by 0 or 1, followed by 4 or 5, may be followed by additional suffix letters and/or numbers.

USL, CNL – Accessories, Type 3RW59 as shown below, covers HMI (Human Machine Interface), fans, communication modules, terminals and covers, memory cards, interface cover.

3RW5980-OHL00	Interface Cover
3RW59.0-0C.00	Communication Module, different bus types
3RW5950-0GD..	Control-circuit duct cover, different sizes
3RW59..-0FC..	Fan Cover, different sizes
3RW5980-.TR..	Removable control terminal, all sizes
3RW59..-0TB..	Box terminal block, size 2



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Horse Power ratings, Three Phase, 40°C, Surrounding Air

Type	200-208V [hp]	220-240V [hp]	380-415V [hp]	440-480V [hp]	550-600V [hp]	max FLA [A]	max LRA [A]
3RW52/55 13	3	3	5	7,5	10	13	80,6
3RW52/55 14	5	5	10	10	15	18	112
3RW52/55 15	5	7,5	10	15	20	25	155
3RW52/55 16	7,5	10	15	20	30	32	198
3RW52/55 17	10	10	20	25	30	38	236
3RW5521	5	7,5	10	15	20	25	155
3RW52/55 24	10	15	25	30	40	47	291
3RW52/55 25	20	20	30	40	60	63	391
3RW52/55 26	20	25	40	60	75	77	477
3RW52/55 27	30	30	50	60	75	93	577
3RW52/55 34	30	40	60	75	100	113	701
3RW52/55 35	40	50	75	100	125	143	887
3RW52/55 36	50	60	100	125	150	171	1060
3RW52/55 43	60	75	125	150	200	210	1302
3RW52/55 44	75	100	150	200	250	250	1550
3RW52/55 45	100	125	150	250	300	315	1953
3RW52/55 46	125	150	200	300	350	370	2294
3RW52/55 47	150	150	250	350	450	470	2914
3RW52/55 48	200	200	350	450	600	570	3534



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Horse Power ratings, Three Phase, 50°C Surrounding Air

Type	200-208V [hp]	220-240V [hp]	380-415V [hp]	440-480V [hp]	550-600V [hp]	max FLA [A]	max LRA [A]
3RW52/55 13	2	3	5	7,5	10	11,5	72,5
3RW52/55 14	3	5	7,5	10	10	15,9	100
3RW52/55 15	5	7,5	10	15	20	22,3	140
3RW52/55 16	7,5	10	15	20	25	28,4	179
3RW52/55 17	10	10	15	20	30	33,5	212
3RW5521	5	7,5	10	15	20	22,3	140
3RW52/55 24	10	10	20	30	40	41,6	262
3RW52/55 25	15	20	30	40	50	55,5	352
3RW52/55 26	20	25	40	50	60	68,0	430
3RW52/55 27	25	30	40	60	75	82,5	519
3RW52/55 34	30	30	50	75	100	101	631
3RW52/55 35	40	40	75	100	125	128	798
3RW52/55 36	50	50	75	100	150	153	954
3RW52/55 43	60	60	100	150	150	186	1172
3RW52/55 44	60	75	125	150	200	220	1395
3RW52/55 45	75	100	150	200	250	279	1758
3RW52/55 46	100	125	200	250	300	328	2065
3RW52/55 47	150	150	250	350	450	416	2623
3RW52/55 48	150	200	300	400	500	504	3181

Control Input: 0-24V AC/DC, 110-250V AC, 220V DC
 Auxiliary Output: B300/R300

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Standard Fault Short Circuit Ratings, Fuses

Type	[kA]	Fuse Class	[max A]	Fuse Class	[max A]	Voltage [V ac]
3RW52/55 13	5	RK5/K5/CC/J	50	J/L	50	600
3RW52/55 14	5	RK5/K5/CC/J	70	J/L	70	600
3RW52/55 15	5	RK5/K5/CC/J	100	J/L	100	600
3RW52/55 16	5	RK5/K5/J	125	J/L	125	600
3RW52/55 17	5	RK5/K5/J	150	J/L	150	600
3RW5521	5	RK5/K5/J	100	J/L	100	600
3RW52/55 24	5	RK5/K5/J	175	J/L	175	600
3RW52/55 25	10	RK5/K5/J	200	J/L	250	600
3RW52/55 26	10	RK5/K5/J	250	J/L	300	600
3RW52/55 27	10	RK5/K5/J	300	J/L	350	600
3RW52/55 34	10	RK5/K5/J	350	J/L	400	600
3RW52/55 35	10	RK5/K5/J	350	J/L	500	600
3RW52/55 36	10	RK5/K5/J	400	J/L	600	600
3RW52/55 43	10	-	-	J/L	700	600
3RW52/55 44	18	-	-	J/L	800	600
3RW52/55 45	18	-	-	J/L	1000	600
3RW52/55 46	18	-	-	J/L	1200	600
3RW52/55 47	30	-	-	J/L	1600	600
3RW52/55 48	30	-	-	J/L	1600	600

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High Available Fault Short Circuit Ratings, Fuses

Type	[kA]	Fuse Class	[max A]	Voltage [V ac]
3RW52/55 13	100	J, CC	50	600
3RW52/55 14	100	J, CC	70	600
3RW52/55 15	100	J, CC	100	600
3RW52/55 16	100	J	125	600
3RW52/55 17	100	J	150	600
3RW5521	100	J	100	600
3RW52/55 24	100	J	175	600
3RW52/55 25	100	J	225	600
3RW52/55 26	100	J	250	600
3RW52/55 27	100	J	250	600
3RW52/55 34	100	J	350	600
3RW52/55 35	100	J	350	600
3RW52/55 36	100	J	350	600
3RW52/55 43	100	L, J	700	600
3RW52/55 44	100	J, L	800	600
3RW52/55 45	100	J, L	1000	600
3RW52/55 46	100	J, L	1200	600
3RW52/55 47	100	J, L	1200	600
3RW52/55 48	100	J, L	1200	600



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<u>3RW5</u>	<u>2</u>	<u>13</u>	-	<u>0</u>	<u>X</u>	<u>A</u>	<u>0</u>	4
I	II	III		IV	V	VI	VII	VIII

- I. Basic Designation
3RW5 - AC Semiconductor motor starter, with controlled phases
- II. Type
2 – Standard plus
5 – High Feature
- III. Sizes
Size 1
13 – rated for 480 V and 50°C / 7.5 hp
14 – rated for 480 V and 50°C / 10 hp
15 – rated for 480 V and 50°C / 15 hp
16 – rated for 480 V and 50°C / 20 hp
17 – rated for 480 V and 50°C / 20 hp

Size 2
21 – rated for 480 V and 50°C / 15 hp
24 – rated for 480 V and 50°C / 30 hp
25 – rated for 480 V and 50°C / 40 hp
26 – rated for 480 V and 50°C / 50 hp
27 – rated for 480 V and 50°C / 60 hp

Size 3
34 – rated for 480 V and 50°C / 75 hp
35 – rated for 480 V and 50°C / 100 hp
36 – rated for 480 V and 50°C / 100hp

Size 4
43 – rated for 480 V and 50°C / 150 hp
44 – rated for 480 V and 50°C / 150 hp
45 – rated for 480 V and 50°C / 200 hp
46 – rated for 480 V and 50°C / 250 hp
47 – rated for 480 V and 50°C / 350 hp
48 – rated for 480 V and 50°C / 400 hp
- IV. Type of Main and Auxiliary contact terminals
0 – No meaning
1 – Screw terminals for main and control
2 – Bus bar and spring loaded terminal

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- 3 – Screw and spring loaded terminal
- 6 – Bus bar and screw terminals
- 8 – Special terminals

Continuing of Nomenclature Breakdown 3RW5

- V. 3RW52
Type of Bypass
 - A – With bypass and analogue output
 - T – With bypass and thermistor motor protection

- V. 3RW55
HMI
 - A – Without high feature human machine interface (HMI)
 - H – With high feature human machine interface (HMI)

- VI. 3RW52
Number of controlled phases
 - C – Three-phase controlled

- VI. 3RW55
Special Functions
 - A - No special functions
 - F - Fail safe
 - T - With dry run protection
 - S - With dry run protection and fail safe

- VII. Rated Control Voltage Us
 - 0 – 24V ac/dc
 - 1 – 110-250V ac, 220Vdc

- VIII. 3RW52
Rated operational voltage, Ue
 - 4 – 200 up to 480Vac
 - 5 – 400 up to 600Vac

- VIII. 3RW55
Rated operational voltage, Ue
 - 4 – 200 up to 480Vac
 - 5 – 400 up to 600Vac



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