



Certificate of Compliance

Certificate: 70155452

Master Contract: 165071 (012730_C_000)

Project: 70197282

Date Issued: 2019-03-07

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

The products listed below are eligible to bear the CSA Mark shown



Issued by: *Khalil Ouldchama*
 Khalil Ouldchama, P. Eng.

PRODUCTS

CLASS - C321106 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Miscellaneous

CLASS - C321126 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Miscellaneous

Solid-state motor controllers, reduced voltage starter, Types 3RW52 and 3RW55, rated 50/60 Hz, three phases, with the following ratings at ambient air temperature 40°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW5...13	3 hp	3 hp	5 hp	7.5 hp	10 hp	13 A	80.6 A
3RW5...14	5 hp	5 hp	10 hp	10 hp	15 hp	18 A	112 A
3RW5...15	5 hp	7.5 hp	10 hp	15 hp	20 hp	25 A	155 A
3RW5...16	7.5 hp	10 hp	15 hp	20 hp	30 hp	32 A	198 A
3RW5...17	10 hp	10 hp	20 hp	25 hp	30 hp	38 A	236 A
3RW5...21	5 hp	7.5 hp	10 hp	15 hp	20 hp	25 A	155 A
3RW5...24	10 hp	15 hp	25 hp	30 hp	40 hp	47 A	291 A
3RW5...25	20 hp	20 hp	30 hp	40 hp	60 hp	63 A	391 A
3RW5...26	20 hp	25 hp	40 hp	60 hp	75 hp	77 A	477 A
3RW5...27	30 hp	30 hp	50 hp	60 hp	75 hp	93 A	577 A
3RW5...34	30 hp	40 hp	60 hp	75 hp	100 hp	113 A	701 A
3RW5...35	40 hp	50 hp	75 hp	100 hp	125 hp	143 A	887 A
3RW5...36	50 hp	60 hp	100 hp	125 hp	150 hp	171 A	1060 A
3RW5...43	60 hp	75 hp	125 hp	150 hp	200 hp	210 A	1302 A



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Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
(Continued)							
3RW5...44	75 hp	100 hp	150 hp	200 hp	250 hp	250 A	1550 A
3RW5...45	100 hp	125 hp	150 hp	250 hp	300 hp	315 A	1953 A
3RW5...46	125 hp	150 hp	200 hp	300 hp	350 hp	370 A	2294 A
3RW5...47	150 hp	150 hp	250 hp	350 hp	450 hp	470 A	2914 A
3RW5...48	200 hp	200 hp	350 hp	450 hp	600 hp	570 A	3534 A

Solid-state motor controllers, reduced voltage starter, Types 3RW52 and 3RW55, rated 50/60 Hz, three phases with the following ratings at ambient air temperature 50°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW5...13	2 hp	3 hp	5 hp	7.5 hp	10 hp	11.5 A	72.5 A
3RW5...14	3 hp	5 hp	7.5 hp	10 hp	10 hp	15.9 A	100 A
3RW5...15	5 hp	7.5 hp	10 hp	15 hp	20 hp	22.3 A	140 A
3RW5...16	7.5 hp	10 hp	15 hp	20 hp	25 hp	28.4 A	179 A
3RW5...17	10 hp	10 hp	15 hp	20 hp	30 hp	33.5 A	212 A
3RW5...21	5 hp	7.5 hp	10 hp	15 hp	20 hp	22.3 A	140 A
3RW5...24	10 hp	10 hp	20 hp	30 hp	40 hp	41.6 A	262 A
3RW5...25	15 hp	20 hp	30 hp	40 hp	50 hp	55.5 A	352 A
3RW5...26	20 hp	25 hp	40 hp	50 hp	60 hp	68.0 A	430 A
3RW5...27	25 hp	30 hp	40 hp	60 hp	75 hp	82.5 A	519 A
3RW5...34	30 hp	30 hp	50 hp	75 hp	100 hp	101 A	631 A
3RW5...35	40 hp	40 hp	75 hp	100 hp	125 hp	128 A	798 A
3RW5...36	50 hp	50 hp	75 hp	100 hp	150 hp	153 A	954 A
3RW5...43	60 hp	60 hp	100 hp	150 hp	150 hp	186 A	1172 A
3RW5...44	60 hp	75 hp	125 hp	150 hp	200 hp	220 A	1395 A
3RW5...45	75 hp	100 hp	150 hp	200 hp	250 hp	279 A	1758 A
3RW5...46	100 hp	125 hp	200 hp	250 hp	300 hp	328 A	2065 A
3RW5...47	150 hp	150 hp	250 hp	350 hp	450 hp	416 A	2623 A
3RW5...48	150 hp	200 hp	300 hp	400 hp	500 hp	504 A	3181 A

Standard Short Circuit Ratings with Fuses:

Type	Short-circuit	max Fuse
3RW5...13	5 kA, 600 Vac	50 A, Class RK5/K5 or Class CC/J/L
3RW5...14	5 kA, 600 Vac	70 A, Class RK5/K5 or Class CC/J/L
3RW5...15	5 kA, 600 Vac	100 A, Class RK5/K5 or Class CC/J/L
3RW5...16	5 kA, 600 Vac	125 A, Class RK5/K5 or Class J/L
3RW5...17	5 kA, 600 Vac	150 A, Class RK5/K5 or Class J/L
3RW5...21	5 kA, 600 Vac	100 A, Class RK5/K5 or Class J/L
3RW5...24	5 kA, 600 Vac	175 A, Class RK5/K5 or Class J/L
3RW5...25	10 kA, 600 Vac	200 A, Class RK5/K5 or 250 A, Class J/L
3RW5...26	10 kA, 600 Vac	250 A, Class RK5/K5 or 300 A, Class J/L
3RW5...27	10 kA, 600 Vac	300 A, Class RK5/K5 or 350 A, Class J/L
3RW5...34	10 kA, 600 Vac	350 A, Class RK5/K5 or 400 A, Class J/L
3RW5...35	10 kA, 600 Vac	350 A, Class RK5/K5 or 500 A, Class J/L



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Type	Short-circuit	max Fuse
3RW5...36	10 kA, 600 Vac	400 A, Class RK5/K5 or 600 A, Class J/L
3RW5...43	10 kA, 600 Vac	600 A, Class J/L
3RW5...44	18 kA, 600 Vac	800 A, Class J/L
3RW5...45	18 KA, 600 Vac	1000 A, Class J/L
3RW5...46	18 KA, 600 Vac	1200 A, Class J/L
3RW5...47	30 KA, 600 Vac	1600 A, Class J/L
3RW5...48	30 KA, 600 Vac	1600 A, Class J/L

High Available Fault Current Ratings with Fuses:

Type	Short-circuit	max Fuse
3RW5...13	100 kA, 600 Vac	50 A, Class CC/J/L
3RW5...14	100 kA, 600 Vac	70 A, Class CC/J/L
3RW5...15	100 kA, 600 Vac	100 A, Class CC/J/L
3RW5...16	100 kA, 600 Vac	125 A, Class J/L
3RW5...17	100 kA, 600 Vac	150 A, Class J/L
3RW5...21	100 kA, 600 Vac	100 A, Class J/L
3RW5...24	100 kA, 600 Vac	175 A, Class J/L
3RW5...25	100 kA, 600 Vac	225 A, Class J/L
3RW5...26	100 kA, 600 Vac	250 A, Class J/L
3RW5...27	100 kA, 600 Vac	250 A, Class J/L
3RW5...34	100 kA, 600 Vac	350 A, Class J/L
3RW5...35	100 kA, 600 Vac	350 A, Class J/L
3RW5...36	100 kA, 600 Vac	350 A, Class J/L
3RW5...43	100 kA, 600 Vac	700 A, Class J/L
3RW5...44	100 kA, 600 Vac	800 A, Class J/L
3RW5...45	100 kA, 600 Vac	1000 A, Class J/L
3RW5...46	100 kA, 600 Vac	1200 A, Class J/L
3RW5...47	100 kA, 600 Vac	1200 A, Class J/L
3RW5...48	100 kA, 600 Vac	1200 A, Class J/L

Inside Delta Ratings - Solid-state motor controllers, reduced voltage starter, Types 3RW52 and 3RW55, rated 50/60 Hz, 3 phases at ambient air temperature 40°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW52/55...13	5 hp	7.5 hp	10 hp	15 hp	20 hp	22.5 A	139.6 A
3RW52/55...14	7.5 hp	10 hp	15 hp	20 hp	25 hp	31 A	193 A
3RW52/55...15	10 hp	15 hp	20 hp	30 hp	40 hp	43 A	268 A
3RW52/55...16	15 hp	20 hp	30 hp	40 hp	50 hp	55 A	344 A
3RW52/55...17	20 hp	20 hp	30 hp	50 hp	60 hp	66 A	408 A
3RW5521	10 hp	15 hp	20 hp	30 hp	40 hp	43 A	268 A
3RW52/55...24	25 hp	30 hp	40 hp	60 hp	75 hp	81 A	505 A
3RW52/55...25	30 hp	40 hp	60 hp	75 hp	100 hp	109 A	677 A



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3RW52/55...26	40 hp	50 hp	75 hp	100 hp	125 hp	133 A	827 A
3RW52/55...27	50 hp	60 hp	75 hp	125 hp	150 hp	161 A	999 A
3RW52/55...34	60 hp	75 hp	100 hp	150 hp	200 hp	196 A	1213 A
3RW52/55...35	75 hp	75 hp	150 hp	200 hp	250 hp	248 A	1536 A
3RW52/55...36	100 hp	100 hp	150 hp	200 hp	300 hp	296 A	1836 A
3RW52/55...43	125 hp	150 hp	200 hp	300 hp	350 hp	364 A	2255 A
3RW52/55...44	150 hp	150 hp	250 hp	350 hp	450 hp	433 A	2685 A
3RW52/55...45	150 hp	200 hp	300 hp	450 hp	550 hp	546 A	3383 A
3RW52/55...46	200 hp	250 hp	400 hp	500 hp	700 hp	641 A	3973 A
3RW52/55...47	250 hp	300 hp	500 hp	700 hp	900 hp	814 A	5047 A
3RW52/55...48	350 hp	400 hp	600 hp	850 hp	1100 hp	987 A	6121 A

Inside Delta Ratings - Solid-state motor controllers, reduced voltage starter, Types 3RW52 and 3RW55, rated 50/60 Hz, 3 phases at ambient air temperature 50°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW52/55...13	5 hp	5 hp	10 hp	10 hp	15 hp	19.9 A	125.6 A
3RW52/55...14	7.5 hp	7.5 hp	15 hp	20 hp	25 hp	28 A	174 A
3RW52/55...15	10 hp	10 hp	20 hp	25 hp	30 hp	39 A	242 A
3RW52/55...16	15 hp	15 hp	25 hp	30 hp	40 hp	49A	309 A
3RW52/55...17	15 hp	20 hp	30 hp	40 hp	50 hp	58 A	367 A
3RW5521	10 hp	10 hp	20 hp	25 hp	30 hp	39 A	242 A
3RW52/55...24	20 hp	25 hp	40 hp	50 hp	60 hp	72 A	454 A
3RW52/55...25	30 hp	30 hp	50 hp	75 hp	75 hp	96 A	609 A
3RW52/55...26	30 hp	40 hp	60 hp	75 hp	100 hp	118 A	744 A
3RW52/55...27	40 hp	50 hp	75 hp	100 hp	125 hp	143 A	899 A
3RW52/55...34	50 hp	60 hp	100 hp	125 hp	150 hp	175 A	1092 A
3RW52/55...35	75 hp	75 hp	125 hp	150 hp	200 hp	222 A	1382 A
3RW52/55...36	75 hp	100 hp	150 hp	200 hp	250 hp	265 A	1653 A
3RW52/55...43	100 hp	125 hp	200 hp	250 hp	300 hp	322 A	2030 A
3RW52/55...44	125 hp	150 hp	200 hp	300 hp	350 hp	381 A	2416 A
3RW52/55...45	150 hp	200 hp	300 hp	400 hp	500 hp	483 A	3044 A
3RW52/55...46	200 hp	200 hp	350 hp	450 hp	600 hp	568 A	3576 A
3RW52/55...47	250 hp	250 hp	450 hp	600 hp	800 hp	721 A	4542 A
3RW52/55...48	300 hp	350 hp	550 hp	750 hp	950 hp	873 A	5509 A



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Solid-state motor controllers, reduced voltage starter, Types 3RW55, rated 50/60 Hz, 3 phases with the following ratings at ambient air temperature 40°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW55...52	200 hp	250 hp	350 hp	500 hp	700 hp	630 A	3906 A
3RW55...53	250 hp	250 hp	400 hp	600 hp	800 hp	720 A	4464 A
3RW55...54	300 hp	350 hp	500 hp	700 hp	900 hp	840 A	5208 A
3RW55...56	350 hp	450 hp	700 hp	950 hp	1250 hp	1100 A	6820 A
3RW55...58	400 hp	550 hp	800 hp	1100 hp	1450 hp	1280 A	7936 A

Solid-state motor controllers, reduced voltage starter, Types 3RW55, rated 50/60 Hz, 3 phases with the following ratings at ambient air temperature 50°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW55...52	200 hp	200 hp	350 hp	450 hp	600 hp	561 A	3515 A
3RW55...53	200 hp	250 hp	400 hp	500 hp	700 hp	641 A	4018 A
3RW55...54	250 hp	300 hp	450 hp	600 hp	800 hp	748 A	4687 A
3RW55...56	350 hp	400 hp	600 hp	850 hp	1100 hp	979 A	6138 A
3RW55...58	400 hp	450 hp	700 hp	1000 hp	1250 hp	1139 A	7142 A

Standard Short Circuit Ratings with Fuses:

Type	Short-circuit	max Fuse
3RW55...52	42 kA, 600 Vac	2000 A, Class J/L
3RW55...53	42 kA, 600 Vac	2000 A, Class J/L
3RW55...54	42 kA, 600 Vac	2500 A, Class J/L
3RW55...56	85 kA, 600 Vac	3000 A, Class J/L
3RW55...58	85 kA, 600 Vac	3000 A, Class J/L

High Available Fault Current Ratings with Fuses:

Type	Short-circuit	max Fuse
3RW55...52	100 kA, 600 Vac	2000 A, Class J/L
3RW55...53	100 kA, 600 Vac	2000 A, Class J/L
3RW55...54	100 kA, 600 Vac	2500 A, Class J/L
3RW55...56	100 kA, 600 Vac	3000 A, Class J/L
3RW55...58	100 kA, 600 Vac	3000 A, Class J/L



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Inside Delta Rating - Solid-state motor controllers, reduced voltage starter, Types 3RW55, rated 50/60 Hz, 3 phases with the following ratings at ambient air temperature 40°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW55...52	350 hp	450 hp	650 hp	950 hp	1200 hp	1091 A	6765 A
3RW55...53	400 hp	500 hp	800 hp	1100 hp	1400 hp	1247 A	7732 A
3RW55...54	500 hp	600 hp	950 hp	1300 hp	1600 hp	1455 A	9021 A
3RW55...56	650 hp	800 hp	1250 hp	1700 hp	2100 hp	1905 A	11813 A
3RW55...58	800 hp	950 hp	1450 hp	1900 hp	2500 hp	2217 A	13746 A

Inside Delta Rating - Solid-state motor controllers, reduced voltage starter, Types 3RW55, rated 50/60 Hz, 3 phases with the following ratings at ambient air temperature 50°C:

Type	200-208V	220/240V	380-415V	440/480V	550/600V	max FLA	max LRA
3RW55...52	350 hp	400 hp	600 hp	850 hp	1050 hp	971 A	6089 A
3RW55...53	400 hp	450 hp	700 hp	950 hp	1250 hp	1110 A	6959 A
3RW55...54	450 hp	550 hp	800 hp	1150 hp	1450 hp	1295 A	8118 A
3RW55...56	600 hp	700 hp	1100 hp	1500 hp	1900 hp	1696 A	10631 A
3RW55...58	700 hp	850 hp	1300 hp	1700 hp	2200 hp	1973 A	12371 A

Control voltage: 24 V ac/dc, 110 Vac up to 250 Vac

Auxiliary Contacts: B300, R300

Class designation: Class 10, Class 20 and Class 30 (settable where applicable)

Accessories:

3RW5980-0C.00	Communication Module, different bus types
3RW5912-0...	Power semiconductor module
3RW5910-1UA10	Control unit 110-250V, analog output
3RW5980-0HM00	Memory Card
3RW59...-0PY04	Printed-circuit board 480V different sizes
3RW5900-0CC00	PC connection cable
3RW5912-0TB00	Box terminal block
3RW5980-TR00	Removable control terminal
3RW5910-0GU00	Control unit housing
3RW59...-0VY00	Packing for transport for different sizes
3RW5980-0HL00	Interface cover
3RW5950-0GD.0	Duct cover
3RW5983-0TC20	Connection Cover, for size 2 and 3
3RW5984-0TC20	Connection Cover, for size 4
3RW5950-0CH00	Communication module PROFINET High-Feature, Integrated switch.

Notes:

1. The type designation may be completed with suffixes.
2. Certified as component for use only in certified equipment where the acceptability of combination is to be determined by CSA.



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Nomenclature Breakdown for 3RW5:

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

Basic Designation
3RW5: AC Semiconductor motor

starter, with controlled phases

II Type

- 2 Standard plus
- 5 High Feature

III Sizes (Motor rating at ambient air temperature 50°C):

Size 1 (Types 3RW52, 3RW55)

13 7.5 hp at 480 Vac

14 10 hp at 480 Vac

15 15 hp at 480 Vac

16 20 hp at 480 Vac

17 20 hp at 480 Vac

Size 2 (Types 3RW52, 3RW55)

21 15 hp at 480 Vac

24 30 hp at 480 Vac

25 40 hp at 480 Vac

26 50 hp at 480 Vac

27 60 hp at 480 Vac

Size 3 (Types 3RW52, 3RW55)

34 75 hp at 480 Vac

35 100 hp at 480 Vac

36 100 hp at 480 Vac

Size 4 (Types 3RW52, 3RW55)

43 150 hp at 480 Vac

44 150 hp at 480 Vac

45 200 hp at 480 Vac

46 250 hp at 480 Vac

47 350 hp at 480 Vac

48 400 hp at 480 Vac

Size 5 (Type 3RW55)

52: 450 hp at 480Vac

53: 500 hp at 480Vac

54: 600 hp at 480Vac

56: 850 hp at 480Vac

58: 1000 hp at 480Vac

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

V For type 3RW52 (Standard plus)

Type of Bypass

- A No bypass system
- B With bypass and analogue output
- T With bypass and thermistor motor protection

For type 3RW55 (High Feature)

HMI (with bypass)

- A Without high feature human machine interface (HMI)
- H With high feature human machine interface (HMI)

VI For type 3RW52

Number of controlled phases

- C Three-phase controlled

For type 3RW55

Special Functions

- A Three-phase controlled with no special functions
- F Three-phase controlled Fail safe

VII. Rated Control Voltage Us

- 0 24 Vac/dc
- 1 110-250 Vac, 220 Vac

VIII Rated operational voltage, Ue

- 4 200 up to 480 Vac
- 5 400 up to 600 Vac

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 14-18

CAN/CSA C22.2 No. 60947-1-13

CAN/CSA C22.2 No. 60947-4-2-14

CAN/CSA C22.2 No. 60947-5-1-14

- Industrial Control Equipment.
- Low-Voltage Switchgear and Controlgear - Part 1: General rules.
- Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor- Starters - AC Semiconductor Motor Controllers and Starters.
- Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices.