



Certificate of Compliance

Certificate: 2113157

Master Contract: 165071 (012730)

Project: 70088042

Date Issued: 2016-09-29

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

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



Issued by: *J.-C. Chow*
J.-C. Chow

PRODUCTS

CLASS - C321105 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Manual

CLASS - C321108 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Self-Protecting

CLASS - C321125 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Manual

Part A (Class 3211-05, 3211-25)

Manual Starters, open type, Type 3RA6, 3-pole, rated max 32 A at 600 Vac, 3-ph, 60 Hz, across-the-line motor starting and stopping, with integral ambient compensated, non-replaceable electronic trip features, suitable for overload protection, motor disconnect and group installation, with following ratings in 5 setting ranges:

Setting range 0.1 to 0.4 A: Max 600 Vac, 0.4 FLA/2.4 LRA, 0.4 A general purpose

Setting range 0.32 to 1.25 A: Max 600 Vac, 1.25 FLA/10 LRA, 1.25 A general purpose

Voltage 3-phase

460/480 V 1/2 hp

575/600 V 1/2 hp

Setting range 1 to 4 A: Max 600 Vac, 4 FLA/28.8 LRA, 4 A general purpose

Voltage 3-phase

200/208 V 3/4 hp

230/240 V 3/4 hp

460/480 V 2 hp

575/600 V 3 hp



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Setting range 3 to 12 A: Max 600 Vac, 12 FLA/80 LRA, 12 A general purpose

Voltage	3-phase
115/120 V	1-1/2 hp
200/208 V	3 hp
230/240 V	3 hp
460/480 V	7-1/2 hp
575/600 V	10 hp

Setting range 8 to 32 A: Max 600 Vac, 32 FLA/194 LRA, 32 A general purpose

Voltage	3-phase
115/120 V	5 hp
200 V	7-1/2 hp
208 V	10 hp
230/240 V	10 hp
460/480 V	20 hp
575/600 V	30 hp

Short-circuit magnetic trip rating:

Setting range	Tripping current
0.1 - 0.4 A	56 A
0.32 - 1.25 A	56 A
1 - 4 A	56 A
3 - 12 A	168 A
8 - 32 A	448 A

Short-circuit rating:

Setting range	Standard	High-fault	Max Fuse or Circuit Breaker
0.1 - 0.4 A	1 kA, 480 V	30 kA, 480 V	1 A
	1 kA, 600 V	10 kA, 600 V	1 A
0.32 - 1.25 A	1 kA, 480 V	30 kA, 480 V	6 A
	1 kA, 600 V	10 kA, 600 V	6 A
1 - 4 A	5 kA, 480 V	30 kA, 480 V	15 A
	5 kA, 600 V	10 kA, 600 V	15 A
3 - 12 A	5 kA, 480 V	30 kA, 480 V	45 A
	5 kA, 600 V	10 kA, 600 V	45 A
8 - 32 A	5 kA, 480 V	15 kA, 480 V	125 A
	5 kA, 600 V	10 kA, 600 V	90 A (Fuse only)

Short-circuit rating for Group installation:

Setting range	Short-circuit	Max Fuse or Circuit Breaker in Group installation
0.1 - 0.4 A	30 kA, 480 V	150 A
	10 kA, 600 V	150 A
0.32 - 1.25 A	30 kA, 480 V	150 A
	10 kA, 600 V	150 A
1 - 4 A	30 kA, 480 V	150 A
	10 kA, 600 V	150 A
3 - 12 A	30 kA, 480 V	150 A
	10 kA, 600 V	150 A



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8 - 32 A 15 kA, 480 V 150 A
 10 kA, 600 V 150 A

Integrated Auxiliary Contacts ratings for 3RA61, 3RA62:

Nonreversing (for 3RA61)	Reversing (for 3RA62)	Rating Code
1 NO(13-14), 1 NC(21-22)	2 NO(13-14, 43-44)	A600, Q600
1 NO(77-78)	1 NO(77-78)	B300, R300
Changeover(95-96-98)	Changeover(95-96-98)	D300, R300

Accessories, open type: Adapter, Types 3RA6920 and 3RA6940

Part-B (Class 3211-08)

Type E (self-protecting) Combination Motor Controllers, open type, Type 3RA6, 3-pole, 60 Hz, across-the-line motor starting and stopping, with integral ambient compensated, non-replaceable electronic trip features, suitable for overload protection, with 0.1 up to 32 A in 5 setting ranges for 240 and 480Y/277 Vac, 0.11 up to 12 A in 4 setting ranges for 600Y/347 Vac, and ratings: see “Part-A”, except 32 FLA max at 240 and 480Y/277 Vac, and 12 FLA max at 600 Vac.

Short-circuit rating:

Setting range	Standard	High-fault
0.1 - 0.4 A	1 kA, 240 V	30 kA, 240 V
	1 kA, 480Y/277 V	30 kA, 480Y/277 V
	1 kA, 600Y/347 V	10 kA, 600Y/347 V
0.32 - 1.25 A	1 kA, 240 V	30 kA, 240 VA
	1 kA, 480Y/277 V	30 kA, 480Y/277 V
	1 kA, 600Y/347 V	10 kA, 600Y/347 V
1 - 4 A	5 kA, 240 V	30 kA, 240 V
	5 kA, 480Y/277 V	30 kA, 480Y/277 V
	5 kA, 600Y/347 V	10 kA, 600Y/347 V
3 - 12 A	5 kA, 240 V	30 kA, 240 V
	5 kA, 480Y/277 V	30 kA, 480Y/277 V
	5 kA, 600Y/347 V	10 kA, 600Y/347 V
8 - 32 A	5 kA, 240 V	15 kA, 240 V
	5 kA, 480Y/277 V	15 kA, 480Y/277 V

Notes:

1. The type designation may be completed with suffixes indicating electrical and mechanical details.
2. Certified as component for use only in certified equipment where the acceptability of combination is to be determined by CSA.
3. The trip current is 125% of the FLA shown on dial.
4. Fuse Classes are RK1, RK5, K5, J, G, T or CC; Circuit Breakers are Certified Siemens type with minimum Interrupting rating equal or greater that the short-circuit rating.
5. These devices may be provided with Certified devices and accessories of Types 3RA68, 3RA69, 3RV1915, 3RV2915, 3RV1917, 3RV2917, 3RV1925, 3RV2925, 3RV1928-1H, 3RV2928-1H, 8US1, including ASI-module, auxiliary switches, bus bar assembly, rotary operator door-coupling mechanism (3RV1926-0, 3RV2926-0), operator module (3RA6935-0A) and infeed system.



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Nomenclature Breakdown (for “Part A”)

3RA61	2	0	-	0	A	B3	0
I	II	III	IV	V	VI	VII	

I Basic Type

- 3RA61 Compact-Starter, nonreversing, without communication
- 3RA62 Compact-Starter, reversing, without communication
- 3RA64 Compact-Starter, nonreversing, with communication
- 3RA65 Compact-Starter, reversing, with communication

II Integrated auxiliary contacts

- 0 no integrated auxiliary contacts, 3RA64 and 3RA65 only
- 2 1 NC (21-22) and 1 NO (13-14) integrated auxiliary contacts, 3RA61 only
- 5 with 2 NO (13-14, 43-44) auxiliary contacts, 3RA62 only

III Auxiliary contacts

- 0 without auxiliary contacts

IV Type of Terminals

- 0 without main and control circuit terminals for use with 3RA68 Infeed System and AS-I communication
- 1 screw-type terminals for main and control circuit
- 2 spring-loaded terminals for main and control circuit

V Setting ranges

- A 0.1 to 0.4 A
- B 0.32 to 1.25 A
- C 1 to 4 A
- D 3 to 12 A
- E 8 to 32 A

VI Operating Voltage

- B3 24 V ac/dc
- E3 42 to 70 V ac/dc
- P3 110 to 240 V ac/dc
- B4 24 V dc for compact starter with communication

VII Terminals and Mounting

- 0 without main and control circuit terminals for use with 3RA68 Infeed System and AS-I communication
- 2 with main and control circuit terminals and for mounting on Din Rail
- 3 without main circuit terminals, with control circuit terminals for use with 3RA68 Infeed System
- 4 with main circuit terminals, without control circuit terminals for mounting on Din Rail for use with AS-I communication

Nomenclature Breakdown (for Accessories)

- 3RA6920-1A Main circuit terminals, screw terminals
- 3RA6920-1B Control circuit terminals, screw terminals for 3RA61



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- 3RA6920-1C Control circuit terminals, screw terminals for 3RA62
- 3RA6920-1D Control circuit terminals, screw terminals for 3RA64
- 3RA6920-1E Control circuit terminals, screw terminals for 3RA65
- 3RA6920-2A Main circuit terminals, spring terminals
- 3RA6920-2B Control circuit terminals, spring terminals for 3RA61
- 3RA6920-2C Control circuit terminals, spring terminals for 3RA62
- 3RA6920-2D Control circuit terminals, spring terminals for 3RA64
- 3RA6920-2E Control circuit terminals, spring terminals for 3RA65
- 3RA6920-3A Main circuit terminals, screw terminals on line side, spring terminals on load side
- 3RA6940-0A Adapter for flat surface mounting of the Compact Starter
- 3RA6931-0A Connecting Cable 14 pole 25 mm for 3RA64/3RA65
- 3RA6932-0A Connecting Cable 10 pole 25 mm for 3RA64/3RA65
- 3RA6933-0B Connecting Cable 10 pole 200 mm for 3RA64/3RA65
- 3RA6933-0C Connecting Cable 14 pole 200 mm for 3RA64/3RA65

Nomenclature Breakdown (for “Part B”)

3RA61	2	0	-	0	A	B3	0
I	II	III	IV	V	VI	VII	

I Basic Type

- 3RA61 Compact-Starter, nonreversing, without communication
- 3RA62 Compact-Starter, reversing, without communication
- 3RA64 Compact-Starter, nonreversing, with communication
- 3RA65 Compact-Starter, reversing, with communication

II Integrated auxiliary contacts

- 0 no integrated auxiliary contacts, 3RA64 and 3RA65 only
- 2 1 NC (21-22) and 1 NO (13-14) integrated auxiliary contacts, 3RA61 only
- 5 with 2 NO (13-14, 43-44) auxiliary contacts, 3RA62 only

III Auxiliary contacts

- 0 without auxiliary contacts

IV Type of Terminals

- 0 without main and control circuit terminals for use with 3RA68 Infeed System and AS-I communication
- 1 screw-type terminals for main and control circuit
- 2 spring-loaded terminals for main and control circuit (types with suffix “0” and “3” only; see item. VII of nomenclature breakdown)

V Setting ranges

- A 0.1 to 0.4 A
- B 0.32 to 1.25 A
- C 1 to 4 A
- D 3 to 12 A
- E 8 to 32 A



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- VI Operating Voltage
- B3 24 V ac/dc
 - E3 42 to 70 V ac/dc
 - P3 110 to 240 V ac/dc
 - B4 24 V dc for compact starter with communication
- VII Terminals and Mounting
- 0 without main and control circuit terminals for use with 3RA68 Infeed System and AS-I communication
 - 2 with main and control circuit terminals and for mounting on Din Rail
 - 3 without main circuit terminals, with control circuit terminals for use with 3RA68 Infeed System
 - 4 with main circuit terminals, without control circuit terminals for mounting on Din Rail for use with AS-I communication

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No. 0-10 - General Requirements - Canadian Electrical Code, Part II
- CSA-C22.2 No. 14-13 - Industrial Control Equipment
- CAN/CSA-C22.2 No 60947-1-13 - Low-Voltage Switchgear and Controlgear - Part 1: General rules
- CAN/CSA-C22.2 No 60947-4-1-14 - Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters