

CERTIFICATE OF COMPLIANCE

Certificate Number 20160928–E47705
Report Reference E47705-20090303
Issue Date 2016-September-28

Issued to: Siemens AG
I IA CE CP R&D-VI 4
Werner-Von-Siemens-Strasse 48
92220 Amberg, Germany

**This is to certify that
representative samples of**

Motor Controllers, Manual
Open type manual motor controller Type Nos. 3RA61, 3RA62,
3RA64 or 3RA65 followed by 0, 2 or 5, followed by 0, followed by
-0, -1 or -2, followed by A, B, C, D or E followed by B3, E3, P3 or
B4, followed by 0, 2, 3 or 4, may be followed by additional
numbers and letters for manufacturers use.

Accessories, Type Nos. 3RA6920-1A, 3RA6920-2A, 3RA6920-
1B, 3RA6920-1C, 3RA6920-2B, 3RA6920-2C, 3RA6920-1D,
3RA6920-2D, 3RA6920-1E, 3RA6920-2E, 3RA6920-3A,
3RA6940-0A, 3RA6950-0A, 3RA6931-0A, 3RA6932-0A,
3RA6933-0B, 3RA6933-0C. may be followed by additional
numbers and letters for manufacturers use
(See following pages for additional model information.)

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

Standard(s) for Safety: (See following page for Standards for Safety.)
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as
being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US
and Canada.

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and
"US" identifiers:  the word "LISTED"; a control number (may be alphanumeric) assigned by UL;
and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing 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.

Standards for Safety:

ANSI/UL 60947-1, "Low-Voltage Switchgear and Controlgear - Part 1: General Rules," and ANSI/UL 60947-4-1A, "Low-Voltage Switchgear and Controlgear - Part 4-1A: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters," CAN/CSA-C22.2 No. 60947-1 (2007), "Low-Voltage Switchgear and Controlgear - Part 1: General Rules," and CAN/CSA-C22.2 No. 60947-4-1 (2007), "Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters."

General:

These devices are open type 3-pole manual motor controllers for starting and stopping motors which may be connected directly across the line. They are adjusted over a small range as indicated in the setting range table. They are provided with integral ambient compensated, non-replaceable thermal trip features and are suitable for providing overload protection class 10 and class 20 and motor disconnect. The trip current is 125 percent of the FLA shown on dial. Line or load side of the main terminals may be used in reverse also.

These devices may be provided with certified accessories of Type 3RA68, 3RA69, 3RV1915, 3RV2915, 3RV1917, 3RV2917, 3RV1925, 3RV2925, 3RV1926-0, 3RV2926-0, 3RV1928-1H, 3RV2928-1H, 8US1 including ASI-module, auxiliary switches, bus bar assembly, door coupling rotary mechanism, Infeed system and operator module.

Ratings:

Setting Range 0.1-0.4A
General Purpose Rating 0.4A, 600Vac
Max. FLA: 0.4A
Max. LRA: 2.4A

Setting Range 0.32-1.25A

Voltage	Horsepower 3-ph
115/120V	-
200/208V	-
230/240V	-
460/480V	1/2
575/600V	1/2



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General Purpose Rating: 1.25A, 600Vac

Max. FLA: 1.25A
Max. LRA: 10A

Setting Range 1-4A

Voltage	Horsepower 3-ph
115/120V	-
200/208V	3/4
230/240V	3/4
460/480V	2
575/600V	3

General Purpose Rating: 4A, 600Vac

Max. FLA: 4A
Max. LRA: 28.8A

Setting Range 3-12A

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



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General Purpose Rating: 12A, 600Vac
Max. FLA: 12A
Max. LRA: 80A

Setting Range 8-32A

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

General Purpose Rating: 32A, 600Vac
Max. FLA: 32A
Max. LRA: 194A

Pilot Duty ratings (3RA61/3RA62 only):

Direct	Reversing	Rating
21-22; 13-14: 1 NC + 1NO	13-14; 43-44: 2 NO	Q600, A600
77-78: 1 NO	77-78: 1 NO	R300, B300
95-96-98: Change over	95-96-98: Change over	R300, D300

Setting range in A	Tripping current in A
0.1-0.4	56
0.32-1.25	56
1.4-4	56
3-12	168
8-32	448



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MMC:

Setting range	Voltage (V)	Standard (kA)	Short-circuit current (kA)	Max. Fuse/C.B. Single Branch (A)
0.1-0.4	480	1	30	1
	600		10	
0.32-1.25	480	1	30	6
	600		10	
1-4	480	5	30	15
	600		10	
3-12	480	5	30	45
	600		10	
8-32	480	5	15	125 90 (Fuses only)
	600		10	

These devices are suitable for motor disconnect.

Group installation:

Setting range	Voltage (V)	Short-circuit current (kA)	Max. Fuse/C.B. Group installation (A)
0.1-0.4	480	30	#1
	600	10	
0.32-1.25	480	30	#1
	600	10	
1-4	480	30	#1
	600	10	
3-12	480	30	#1
	600	10	
8-32	480	15	#1
	600	5	

#1 - Branch Circuit Protective device: The appropriate BCPD need to be determined in accordance with the National Electrical Code, Article 430-53 and the application. The following devices are permitted.

Fuses: Classes RK1, RK5, J, G, T, CC Circuit Breakers: Any Siemens Listed Circuit Breaker, with a marked short-circuit rating equal or larger than the available short-circuit current rating.



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Tap conductor protection:

Setting range	Voltage (V)	Short-circuit current (kA)	Max. Fuse/C.B. Group installation (A)
0.1-0.4	240	30	#1
	480Y/277	30	
	600Y/347	10	
0.32-1.25	240	30	#1
	480Y/277	30	
	600Y/347	10	
1-4	240	30	#1
	480Y/277	30	
	600Y/347	10	
3-12	240	30	#1
	480Y/277	30	
	600Y/347	10	
8-32	240	15	#1
	480Y/277	15	

#1 - Branch Circuit Protective device: The appropriate BCPD need to be determined in accordance with the National Electrical Code, Article 430-53 and the application. The following devices are permitted.

All devices except suffix E (setting range 8 – 32A) are suitable for tap conductor protection in group applications 600Y / 347Vac maximum.

All devices are suitable for tap conductor protection in group applications 240V, 480Y / 277Vac maximum.

These devices are suitable to provide over current protection for control transformers.

Fuses: Classes RK1, RK5, K5, J, G, T, CC

Circuit Breakers: Any Siemens Listed Circuit Breaker, with a marked short-circuit rating equal or larger than the available short-circuit current rating.



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Nomenclature Breakdown:

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

- I. Basic Type:
3RA61 - Compact-Starter, direct, without communication
3RA62 - Compact-Starter, reversing, without communication
3RA64 - Compact-Starter, direct, with communication
3RA65 - Compact-Starter, reversing, with communication
- II. Integrated auxiliary contacts:
0 - no integrated auxiliary contacts (3RA64 and 3RA65 only)
2 - 1 NC and 1 NO integrated auxiliary contacts (3RA61 only)
5 - with 2 NO auxiliary contacts (3RA62 only)
- III. Auxiliary contacts:
0 - without auxiliary contacts
- IV. Type of Terminal:
-0 - without terminals for use with 3RA68 Infeed System and AS-I communication
-1 - screw-type terminals
-2 - Spring-loaded
- V. Setting ranges:
A - 0.1 to 0.4A
B - 0.32 to 1.25A
C - 1 to 4A
D - 3 to 12A
E - 8 to 32A
- VI. Operating voltage:
B3 - 24Vac/dc
E3 - 42 to 70Vac/dc
P3 - 110 to 240Vac/dc
B4 - 24 V dc for compact starter with communication



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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 Accessories:

- 3RA6920-1A - Main circuit terminals, screw terminals
- 3RA6920-2A - Main circuit terminals, spring terminals
- 3RA6920-1B - Control circuit terminals, screw terminals for 3RA61
- 3RA6920-1C - Control circuit terminals, screw terminals for 3RA62
- 3RA6920-2B - Control circuit terminals, spring terminals for 3RA61
- 3RA6920-2C - Control circuit terminals, spring terminals for 3RA62
- 3RA6940-0A - Adapter for flat surface mounting of the Compact Starter
- 3RA6920-1D – Control circuit terminals, screw terminals for 3RA64
- 3RA6920-2D – Control circuit terminals, spring terminals for 3RA64
- 3RA6920-1E – Control circuit terminals, screw terminals for 3RA65
- 3RA6920-2E – Control circuit terminals, spring terminals for 3RA65
- 3RA6920-3A - Main circuit terminals, screw terminals on line side, spring terminals on load side
- 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



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