

Certificate of Compliance

Certificate Number 20111220-E156943
Report Reference E156943-20001218
Issue Date 2011-12-20

Page 1 of 8



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*

COMBINATION MOTOR CONTROLLERS

Combination motor controllers, Type No. 3RA followed by 11 or 12, followed by 2, 3 or 4, followed by 0, 1, 2, 3, 4, 5, or 9 followed by a number and a letter, followed by A or B, followed by 23, 24, 25, 26, 34, 35, 36, 44, 45 or 46, followed by a combination of four letters and numbers.


Combination motor controllers with fastbus backplate, Type No. 3RA followed by 11 or 12, followed by 2 or 3, followed by 0, 1, 2, 3, 4, 5, or 9 followed by a number and a letter, followed by C or D, followed by 23, 24, 25, 26, 34, 35 or 36, followed by a combination of four letters and numbers.
(MODELS CONTINUED ON PAGE 2)

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

Standard(s) for Safety: ANSI/ UL 508, "Industrial Control Equipment" and CSA-C22.2 No. 14, "Industrial Control Equipment".

Additional Information: See UL On-line Certification Directory at WWW.UL.COM 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

William R. Carney
Director, North American Certification Programs

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Certificate of Compliance

Certificate Number **20111220-E156943**
Report Reference **E156943-20001218**
Issue Date **2011-12-20**

Page 2 of 8



This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

MODELS (Continued):

Link modules, Type Nos. 3RA1921-1A, 3RA1921-1B, 3RA1921-1D, 3RA1931-1A, 3RA1931-1B, 3RA1941-1A or 3RA1941-1B, may be followed by A00.

Mounting Adapter, Type Nos. 3RA1922-1A, 3RA1932-1A, 3RA1942-1A or 3RA1902-1B.

Line Terminal Adapter, Type Nos. 3RV1928-1H, 3RV1925-5EB or 3RT1946-4GA07

Assembly Sets, Type Nos. 3RA19, followed by 13, 23, 33 or 43, followed by -1B or -1C.

GENERAL:

These devices are open type 3-pole combination motor controllers Type F, reversing and non-reversing, for use in industrial applications. They consist of Listed Self-Protected manual Combination Controllers connected to Listed magnetic motor controllers (contactors.)

Combination motor controllers, Type 3RA1.2 must be used with line terminal adapters cat. No. 3RV1928-1H or 3RV1925-5EB. Combination motor controllers, Type 3RA1.4 must be used with line terminal adapters cat. No. 3RT1946-4GA07. The adapters may be factory or field-installed.

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Certificate Number **20111220-E156943**
Report Reference **E156943-20001218**
Issue Date **2011-12-20**

Page 3 of 8



RATINGS:

The horsepower ratings for the combination motor controllers 3RA1 are the same as for the contactors 3RT10. For details refer to File E31519 Vol. 11 Sec. 1 and 2.

Auxiliary Contacts – integrated in 3RT101 devices rated A600/P600

Auxiliary Contacts 3RH19 rated B300 / R300

Auxiliary Contacts 3RV19 rated as follows

3RV1901-.A, -.B and -.C
1NO+1NC or 2NO or 2NC opposite polarity
A600/Q300, 2 A 24 V dc
10 A 240 V ac general use

3RV1901-1J
2NO + 2NC opposite polarity
A300/Q300, 2 A 24 V dc
10 A 240 V ac general use

3RV1901-1D
1NO + 1NC same polarity (changeover contact)
B600/R300

3RV1901-1E, -2E and -1F, -2F
1NO + 1NC or 2NO opposite polarity
C300/R300
1 A, 240 V ac general use

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Page 4 of 8



3RV1901-1G
1NO + 1NC same polarity (changeover)
100 mA, 125 V dc
300 mA, 60 V ac

3RV1921-1M
2NO + 2NC, opposite polarity
A600/Q300, 2 A 24 V dc
10 A, 240 V ac general use

Short-circuit ratings: These devices have the following short-circuit ratings (RMS symmetrical amperes):

Controller	Size	Voltage [V]	Short Circuit Current rms [kA]
3RA112 / 3RA122	S0	480	65
		600	25
3RA113 / 3RA123	S2	480	65
		600	30
3RA114 / 3RA124	S3	480	65
		600	30

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Report Reference **E156943-20001218**
Issue Date **2011-12-20**

Page 5 of 8



NOMENCLATURE:

3RA	11	1	0	0A	A	15	1AB0
I	II	III	IV	V	VI	VII	VIII

I. Basic Type 3RA - Basic Device

II. Type of controller

11 – contactor

12 – reversing contactor

III. Size, and self-protected combination motor controller (3RV10) size provided.

2 – Size S0, with 3RV1021

3 – Size S2, with 3RV1031

4 – Size S3, with 3RV1041

IV. Auxiliary contact arrangement

0 – None provided

1 – 1 normally open and 1 normally closed, side mounted

2 – 2 normally open, side mounted

3 – 2 normally closed, side mounted

4 – 1 changeover contact

5 – 1 provided on 3RV10 device

9 – Custome’s determination

V. Current setting range of 3RV10

Indicates current setting range of 3RV10

VI. Type of Backplate and terminals

A – No Backplate, Screw Terminals

B – Din Rail Backplate, Screw Terminals

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Certificate of Compliance

Certificate Number **20111220-E156943**
Report Reference **E156943-20001218**
Issue Date **2011-12-20**

Page 6 of 8



VII. Catalog number of controller provided

- 23 – 3RT1023 contactor or 3RA1323 reverser
- 24 – 3RT1024 contactor or 3RA1324 reverser
- 25 – 3RT1025 contactor or 3RA1325 reverser
- 26 – 3RT1026 contactor or 3RA1326 reverser
- 34 – 3RT1034 contactor or 3RA1334 reverser
- 35 – 3RT1035 contactor or 3RA1335 reverser
- 36 – 3RT1036 contactor or 3RA1336 reverser
- 44 – 3RT1044 contactor or 3RA1344 reverser
- 45 – 3RT1045 contactor or 3RA1345 reverser
- 46 – 3RT1046 contactor or 3RA1346 reverser

VIII. Indicates coil voltages

3RA	11	I	0	0A	A	15	1AB0
I	II	III	IV	V	VI	VII	VIII

I. Basic Type 3RA - Basic Device

II. Type of controller

- 11 – contactor
- 12 – reversing contactor

III. Size, and self-protected combination motor controller (3RV10) size provided.

- 2 – Size S0, with 3RV1021
- 3 – Size S2, with 3RV1031

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Certificate Number **20111220-E156943**
Report Reference **E156943-20001218**
Issue Date **2011-12-20**

Page 7 of 8



- IV. Auxiliary contact arrangements
 - 0 – None provided
 - 1 – 1 normally open and 1 normally closed, side mounted
 - 2 – 2 normally open, side mounted
 - 3 – 2 normally closed, side mounted
 - 4 – 1 changeover contact
 - 5 – 1 provided on 3RV10 device
 - 9 – Costume's determination

- V. Current setting range of 3RV10
 - Indicates current setting range of 3RV10

- VI. Type of backplate and terminals
 - C – Fastbus backplate 40mm system, screw terminals
 - D – Fastbus backplate 60mm system, screw terminals

- VII. Catalog number of controller provided
 - 23 – 3RT1023 contactor or 3RA1323 reverser
 - 24 – 3RT1024 contactor or 3RA1324 reverser
 - 25 – 3RT1025 contactor or 3RA1325 reverser
 - 26 – 3RT1026 contactor or 3RA1326 reverser
 - 34 – 3RT1034 contactor or 3RA1334 reverser
 - 35 – 3RT1035 contactor or 3RA1335 reverser
 - 36 – 3RT1036 contactor or 3RA1336 reverser

- VIII. Indicates coil voltages
 - Identical to the basic contactor 3RT1

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Report Reference **E156943-20001218**
Issue Date **2011-12-20**

Page 8 of 8



3RA1921-1A, 3RA1921-1B, 3RA1921-1D, 3RA1931-1A, 3RA1931-1B, 3RA1941-1A, 3RA1941-1B:
Link modules to connect 3RV10 to 3RT contactors.

3RA1922-1A, 3RA1932-1A, 3RA1942-1A: Adapters for standard din rail mounting.

3RA19	13	-1C
I	II	III

I. Basic Type 3RA19 – Assembly Sets for reversing starters consists of mounting adapter and wiring connectors for reversing starters.

II. Size

- 13 – For 3RA with contactors 3RT1.1
- 23 – For 3RA with contactors 3RT1.2
- 33 – For 3RA with contactors 3RT1.3
- 43 – For 3RA with contactors 3RT1.4

III. Type of backplate

- 1B – Din Rail backplate

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