

CERTIFICATE OF COMPLIANCE

Certificate Number 20130311 – E143112
Report Reference E143112 - 20121117
Issue Date 2013-March-11

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, Mechanically Operated and Solid-state
Motor controller, Type 3RM1 followed by 0, 1, 2 or 3
followed by 01, 02 or 07 followed by -1 or -2 followed by A
followed by A followed by 0 or 1 followed by 4 followed by
any numbers, characters.

(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: ANSI/UL 508, "Industrial Control Equipment."
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's
Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with 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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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Additional Model Information:

Motor controller accessories, Wall Fixing Lug Type 3ZY1311-0AA00; Device Connector Type 3ZY1212 followed by -2AB00, -2EA00 or -2FA00; Cover Sealing Type 3ZY1312-1AA00; PC Board terminal carrier Type A5E30216656A, A5E30216657A or A5E30216658A.

General:

These devices are open type, 3-phase solid state motor controller or reversing motor controllers for use in industrial applications to control 3-phase or 1-phase motors. The 3RM1 devices are provided with an integrated solid-state overload relay, class setting 10.

Electrical Ratings:

<u>Type</u>	<u>Voltage</u>	<u>FLA</u>	<u>LRA</u>
3RM1x01	480 V	0.5 A	3.5 A
3RM1x02	480 V	2 A	14 A
3RM1x07	480 V	6.1 A	43 A

Group installation:

480 V / 16 A Continuous (With Listed Bus Bar Assembly, Type 3RM19)
5kA, 480 V, for fuse classes K5, RK5, RK1
10kA, 480 V, for CB type 3RV27 or any CB rated maximum 480 V, 10 kA
100kA, 480 V, for fuse class J

Rated voltage: 200 V – 480 V ac

Control Supply Voltage: 110 V - 230 V ac/dc, 24 V ac/dc, 110 V dc

Aux Contact: Resistive Load: 250 V ac, 3 A
Resistive Load: 30 V dc, 3 A
Pilot Duty: 240 V ac, 15 A Make, 1.5 A Brake, NO

Surrounding Air Temperature: 50°C



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Electrical Ratings (Cont.):

Short Circuit Current Rating:

Type	SCCR	Voltage	Fuse	Fuse class
3RM1x01	1 kA	480 V	8 A	K5, RK5, RK1, J
3RM1x02	1 kA	480 V	8 A	K5, RK5, RK1, J
3RM1x07	5 kA	480 V	30 A	K5, RK5, RK1, J
Type	SCCR	Voltage	CB max.	CB type
3RM1x01	1 kA	480 V	6.3 A	3RV2711
3RM1x02	1 kA	480 V	6.3 A	3RV2711
3RM1x07	5 kA	480 V	22 A	3RV2711 or 3RV2721

High Capacity Short Circuit Current Rating:

Type	SCCR	Voltage	Fuse	Fuse class
3RM1x01	100 kA	480 V	35 A	J
3RM1x02	100 kA	480 V	35 A	J
3RM1x07	100 kA	480 V	35 A	J
Type	SCCR	Voltage	CB max.	CB type
3RM1x01	65 kA	480 V	2.5 A	3RV2711
3RM1x02	65 kA	480 V	2.5 A	3RV2711
3RM1x07	18 kA	480 V	10 A	3RV2711

Short Circuit Current Rating / Group application:

Type	SCCR	Voltage	Fuse	Fuse class
3RM1x01	5 kA	480 V	30 A	K5, RK5, RK1, J
3RM1x02	5 kA	480 V	30 A	K5, RK5, RK1, J
3RM1x07	5 kA	480 V	30 A	K5, RK5, RK1, J
Type	SCCR	Voltage	CB max.	CB type
3RM1x01	5 kA	480 V	22 A	3RV2721, 3RV2711
3RM1x02	5 kA	480 V	22 A	3RV2721, 3RV2711
3RM1x07	5 kA	480 V	22 A	3RV2721, 3RV2711

High Capacity Short Circuit Current Rating / Group application:

Type	SCCR	Voltage	Fuse	Fuse class
3RM1x01	100 kA	480 V	35 A	J
3RM1x02	100 kA	480 V	35 A	J
3RM1x07	100 kA	480 V	35 A	J
Type	SCCR	Voltage	CB max.	CB type
3RM1x01	10 kA	480 V	12.5 A	3RV2711
3RM1x02	10 kA	480 V	12.5 A	3RV2711
3RM1x07	10 kA	480 V	12.5 A	3RV2711

William R. Carney

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Nomenclature Breakdown:

3RM1 0 01 - 1 A A 0 4 -
I II III IV V VI VII VIII IX

- I. Basic type
3RM1 - Sirius Motor starter
- II. Function
0 - Direct starter
1 - Direct starter with safety switch OFF function
2 - Reversing starter
3 - Reversing starter with safety switch OFF function
- III. Current range
01 - 0.1 A – 0.5 A
02 - 0.4 A – 2.0 A
07 - 1.6 A – 6.1 A
- IV. Type of Terminals
-1 - Screw type terminal
-2 - Spring type terminal
- V. Communication
A - without communication
- VI. Design
A - 22.5 mm
- VII. Control Supply Voltage
0 - 24 V ac/dc
1 - 110 V up to 230 V ac, 110 V dc
- IIV. Rated Voltage
4 - 200 up to 480 V ac
- IX. Optional use
.... - Manufacturer's identification



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Nomenclature Breakdown (Cont'd):

3ZY1212 - 2AB00
I II

- I. Basic type
3ZY1212 - Accessory Device Connector
- II. Function
-2AB00 - Device connector for signal loop-through
-2EA00 - Standard device connector
-2FA00 - Device terminating connector

3ZY1321-1AA00 - Cover Sealing Type
3ZY1311-0AA00 - Wall Fixing Lug Type
A5E30216656A - PC Board terminal carrier / 3 Pole PWB 1.6 mm
A5E30216657A - PC Board terminal carrier / 3 Pole PWB 1.0 mm
A5E30216658A - PC Board terminal carrier / 2 pole PWB 1.6 mm



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