

Certificate of Compliance

Certificate: 2312514

Master Contract: 165071

Project: 2507047

Date Issued: March 16, 2012

Issued to: Siemens AG

**I IA CE CP R&D-VI 4
Werner-von-Siemens-Strasse 48
Amberg, 92220
Germany
Attention: Mr. Michael Schröck**

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



J.-C. Chow

Issued by: J.-C. Chow

PRODUCTS

CLASS 3211 04 - INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Magnetic

Enclosed magnetic motor starter, Series M200D, direct or reversing, Types 3RK13 followed by 0, 1, 2, 3 or 9 followed by 5 followed by -0 or -6 followed by A, K or L followed by S, followed by 0 or 4 followed by 1 followed by -0, -1, -2 or -3 followed by a letter, followed by A or D, followed by 0, 3 or 5, provided with Certified contactors, integrated electronic overload protection, optional motor brake control; ratings as follows:

- Type 3RK13.5-.K...-....., rated max 600 Vac, 2 FLA, 3ph; overload protection setting range 0.15 up to 2 A; 460/480 Vac, 0.75 hp, 1.6 FLA*, 3-ph; 575/600 Vac, 1 hp, 1.7 FLA*, 3-ph
- Type 3RK13.5-.L...-....., rated max 600 Vac, 12 FLA, 3ph; overload protection setting range 1.5 up to 12 A; 230/240 Vac, 3 hp, 9.6 FLA*, 3-ph, 460/480 Vac, 7.5 hp, 11 FLA*, 3-ph; 575/600 Vac, 10 hp, 11 FLA*, 3-ph
- Tripping current: 125 percent of setting value
- Class designation: 10 or 20, selectable
- Power supply bus: 600 Vac, 25 A
- Control supply: 30 Vdc
- Control system: 24 Vdc, Profibus or Profinet; 30 Vdc, AS-Interface bus-system (limited voltage/current circuit)
- Brake output: 230/400 V ac, 180 V dc
- Enclosure: Type 12

Standard short-circuit current rating: 5 kA at 600 V, when used with fuse or circuit breaker (as protective device for overcurrent and short-circuit), and for motor group installation

High-fault short-circuit current ratings: 65 kA at 480 V or 10 kA at 600 V, when used with fuse or circuit breaker (as protective device for overcurrent and short-circuit), and for motor group installation



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Notes:

- (a) The type designation may be completed with suffixes.
- (b) FLA* are 3-phase values.
- (c) Suitable for motor disconnect.
- (d) These enclosed devices were tested at the above ratings within a 55°C ambient temperature.

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 14-10 - Industrial Control Equipment

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

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REPORT: 2312514

PROJECT: 2507047

Edition 1: June 30, 2010; Project 2312514 - Montreal
Issued by J.-C. Chow, Eng.

Edition 2: March 16, 2012; Project 2507047 - Montréal
Issued by J.-C. Chow, Eng.

Report pages reissued

Test Report No. 11127PMU added

Contents: Certificate of Compliance - Pages 1 to 2
Supplement to Certificate of Compliance - Page 1
Description and Tests - Pages 1 to 12
Att1 Figures - Fig. Nos. 1 to 4
Att2 Illustrations - Ill. Nos. 1 to 7
Att3 Test Sheets - T1 to T38
Att4 Test Reports - Nos. 08094W-u (85 pages), 09001 (7 pages), 09044W-U (8 pages), 05-08 (3 pages), 07-08 (3 pages), 09-06 (3 pages), 11127PMU (5 pages)

PRODUCTS

CLASS 3211 04 - INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Magnetic

Enclosed magnetic motor starter, Series M200D, direct or reversing, Types 3RK13 followed by 0, 1, 2, 3 or 9 followed by 5 followed by -0 or -6 followed by A, K or L followed by S, followed by 0 or 4 followed by 1 followed by -0, -1, -2 or -3 followed by a letter, followed by A or D, followed by 0, 3 or 5, provided with Certified contactors, integrated electronic overload protection, optional motor brake control; ratings as follows:

Type 3RK13.5-.K...-....., rated max 600 Vac, 2 FLA, 3ph; overload protection setting range 0.15 up to 2 A;

Voltage	Horsepower, 3-ph	FLA*
460/480 Vac	0.75	1.6
575/600 Vac	1	1.7

Type 3RK13.5-.L...-....., rated max 600 Vac, 12 FLA, 3ph; overload protection setting range 1.5 up to 12 A;

Voltage	Horsepower, 3-ph	FLA*
230/240 Vac	3	9.6
460/480 Vac	7.5	11
575/600 Vac	10	11

Tripping current: 125 percent of setting value

The posted report does not represent the full certification report.

Class designation: 10 or 20, selectable

Power supply bus: 600 Vac, 25 A

Control supply: 30 Vdc

Control system: 24 Vdc, Profibus or Profinet; 30 Vdc, AS-Interface bus-system (limited voltage/current circuit)

Brake output: 230/400 V ac, 180 V dc

Enclosure: Type 12

Standard short-circuit current rating: 5 kA at 600 V, when used with fuse or circuit breaker (as protective device for overcurrent and short-circuit), and for motor group installation

High-fault short-circuit current ratings: 65 kA at 480 V or 10 kA at 600 V, when used with fuse or circuit breaker (as protective device for overcurrent and short-circuit), and for motor group installation

Notes:

- (a) The type designation may be completed with suffixes.
- (b) FLA* are 3-phase values.
- (c) Suitable for motor disconnect.
- (d) These enclosed devices were tested at the above ratings within a 55°C ambient temperature.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91	-	General Requirements - Canadian Electrical Code, Part II
CSA-C22.2 No. 14-10	-	Industrial Control Equipment
CAN/CSA-C22.2 No. 94-M91	-	Special Purpose Enclosures

MARKINGS

Submittor's name or tradename "Siemens" and/or CSA File "LR 12730" and/or CSA Master Contract "165071", type designation, electrical ratings ("FLA" rating to be specified 3-ph) and CSA Monogram appear on an adhesive label and/or printed on the cover in a permanent manner.

The following statements are marked on the device:

"USE 60/75 °C COPPER WIRE ONLY"

"SUITABLE AS MOTOR DISCONNECT"

"TRIPPING AMPS 125% SETTING VALUE"

"SUITABLE FOR USE OR MOTOR GROUP INSTALLATION ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 5000 RMS SYMMETRICAL AMPERES, 600 V MAXIMUM" or equivalent

"SUITABLE FOR MOTOR GROUP INSTALLATION ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 65000 RMS SYMMETRICAL AMPERES, 480 V MAX WHEN PROTECTED BY FUSE OR CIRCUIT BREAKER" or equivalent

"SUITABLE FOR USE OR MOTOR GROUP INSTALLATION ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 10000 RMS SYMMETRICAL AMPERES, 600 V MAX WHEN PROTECTED BY FUSE OR CIRCUIT BREAKER" or equivalent

"ENCLOSURE TYPE 12"

"ATTENTION: THE OPENING OF THE BRANCH-CIRCUIT PROTECTIVE DEVICE MAY BE AN INDICATION THAT A FAULT HAS BEEN INTERRUPTED. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CURRENT-CARRYING PARTS AND OTHER COMPONENTS OF THE CONTROLLER SHOULD BE EXAMINED IF DAMAGED. THE COMPLETE UNIT MUST BE REPLACED" or equivalent

The following statement, or equivalent, also marked on a label or in separate sheet or in the instruction manual:

"CAUTION: SHOCK HAZARD: DISCONNECT AND LOCKOUT ALL POWER SOURCES BEFORE SERVICING"

Note: In Canada, there are two different languages; therefore it is necessary to have caution markings in both English and French. When a product is not intended for use in Canada, cautionary markings may be provided in English only.

Installation instruction manual is provided with each unit.

ALTERATIONS

The markings are in accordance with the "MARKINGS" section above.

FACTORY TESTS

The equipment, at the conclusion of manufacture and before shipment, shall withstand for one minute, without breakdown, the application of twice rated voltage plus 1000V between live parts and metal parts, which may be grounded, on a basis of at least 3% of the daily production intended to bear the CSA Monogram.

As an alternative, a potential 20 per cent higher may be applied for one second. The factory test may be made at existing room temperatures.

As an alternative, method based on IEC 410 and in accordance with submitter's ISO 9001 Quality program.

Warning: These tests may present a hazard of injury to personnel and/or property and should only be performed by persons knowledgeable of such hazards and under conditions designed to minimize the possibility of injury.

SPECIAL INSTRUCTIONS FOR FIELD SERVICES

1. Component Substitution
 - a) Critical components (those identified by mfr name, cat no) are not eligible for substitution without evaluation and report updating.
 - b) Component descriptions marked with the identifier "(CT)" are subject to annual pickup and Conformity Testing.
 - c) Component descriptions marked with the identifier "(INT)" are the only components that are eligible for substitution at the factory.
 - d) Substitution of a CSA Certified component with a component "Certified" or "Listed" by another organization may result in annual sample pickup and Conformity Testing.
 - e) Substitution of a "Certified" or "Listed" component with a component that is "Recognized" or "Accepted" is not permitted without evaluation and report updating.

COMPONENT SPECIAL PICKUP

None.

DESCRIPTION

Notes:

1. The term “(INT)”, following the component name, denotes a certified component that can be replaced by one from another certified source (approved by OSHA/SCC accredited body for the same application) provided that it has an equivalent rating, configuration (size, orientation, mounting) and that applicable minimum creepage and clearance distances are maintained from live parts to bonded metal parts and secondary parts.
2. The term “(CT)”, following the component name, denotes a component that is subject to periodic re-testing unless evidence of re-testing equivalent to the CSA program is available.

Nomenclature Breakdown

	<u>3</u>	<u>R</u>	<u>K</u>	<u>1</u>	<u>3</u>	<u>-</u>	<u>0</u>	<u>A</u>	<u>S</u>	<u>0</u>	<u>1</u>	<u>-</u>	<u>0</u>	<u>.</u>	<u>A</u>	<u>0</u>
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII				
I	Basic product designation 3RK13 Communication capable motor starter															
II	Type of interface															
	0	Profibus-DP														
	1	AS-Interface Basic														
	2	AS-Interface Standard														
	3	Profinet														
	9	Motors starter unit without communication module														
III	Product name (series)															
	5	M200D														
IV	Type of motor protection															
	0	Without overload protection														
	6	Thermistor and electronic overload protection														
V	Setting range															
	A	Without setting range, communication module only														
	K	0.15 up to 2.0 A														
	L	1.5 up to 12.0 A														
VI	Type of enclosure															
	S	Type 12														
VII	Principle switching function															
	0	Communication module														
	4	Mechanical switching														
VIII	Set up configuration															
	1	Stand-alone motor starter														
IX	Control function															
	0	Direct starter, without local control														
	1	Reversing starter, without local control														
	2	Direct starter, with local control														
	3	Reversing starter, with local control														
X	Manufacturer identification															
	.	Suffix number/letter specifies Siemens internal logistic and production identification														

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- XI Design variation
 - A Motor starter unit with communication interface M12
 - D Motor starter unit without communication module
- XII Brake output
 - 0 Without brake output
 - 3 Brake output 230/400V ac
 - 5 Brake output 180V dc