



# Certificate of Compliance

**Certificate:** 1358397

**Master Contract:** 165900

**Project:** 80000741

**Date Issued:** 2019-07-31

**Issued To:** Kraus & Naimer Produktion GmbH  
Schumannngasse 31 - 39  
Vienna, Vienna, W, 1181  
Austria

**Attention:** Dipl. Ing. Helmut Bosina

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

**Issued by:** Maroof Siddiqui  
Maroof Siddiqui



## **PRODUCTS**

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

AC Cam Type Controllers, open type, single and 3-phase.

Series CA, Types: CA4(N), CA4(N)-1, CA10, CA10B, CA11, CA11B, CA20, CA20B, CA25, CA25B

The controllers are rated as follows:

Type	Amps*at 300 Vac 1 phase 1 pole	Amps* at 600 Vac 1 phase 1 pole	Pilot Duty	HP-ratings at... Vac										
				Single phase, 2-pole						3 phase, 3 or 4-pole				
				110	220	277	415	440	550	110	220	415	440	550
CA4N	-	-	A300	0.33	0.75	0.75	-	-	-	0.75	1	-	-	-



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CA4N-1	-	-	A300	0.33	0.75	0.75	-	-	-	0.75	1	-	-	-
CA10	20	-	A300	0.5	1	2	-	-	-	1.5	3	-	-	-
CA10B	20	-	A300	0.5	1	2	-	-	-	1.5	3	-	-	-
CA11	-	20	A600	0.5	1	2	2	2	2	1.5	3	5	5	5
CA11B	-	20	A600	0.5	1	2	-	-	-	1.5	3	5	5	5
CA20	-	30	A600	1.5	3	3	5	5	5	3	7.5	10	10	10
CA20B	-	30	A600	1.5	3	3	5	5	5	3	7.5	10	10	10
CA25	30	-	A300	2	5	5	-	-	-	5	10	-	-	-
CA25B	30	-	A300	2	5	5	-	-	-	5	10	-	-	-

AC Cam Type Switches -

Series CAD, Types CAD 11, CAD11B, CAD12, CAD12B

The switches are rated as follows:

Type	Amp. rating at. Vac/dc							
	1	6	12	24	48	110	220	300
CAD11								
Amp. ac	6	6	6	5	5	3	2	1.3
Amp. dc	4	4	3	2.2	1.2	0.6	0.3	0.2
CAD11B								
Amp. ac	6	6	6	5	5	3	2	1.3
Amp. dc	4	4	3	2.2	1.2	0.6	0.3	0.2
CAD12B								
Amp. ac	-	6	6	5	5	3	2	1.3
Amp. dc	-	4	3	2.2	1.2	0.6	0.3	0.2
CAD12								
Amp. ac	-	6	6	5	5	3	2	1.3
Amp. dc	-	4	3	2.2	1.2	0.6	0.3	0.2

Notes:

1. The type designations are completed with numbers and letters indicating the switching combination, type of mounting, operating mechanism.
2. The controllers are for back-of-panel mounting or for base plate mounting. The operating mechanism may be provided with special purpose equipment as required for key operating, locking etc.



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3. Short Circuit withstand: Series CA, 5000 A sym. at rated voltage, max when protected by Class RK1 fuses.
4. Type CA4(N), CA4(N)-1 are additionally rated:  
10 A 120 Vac 1 phase 1 pole, 10 A 277 Vac 1 phase 2 pole.
5. The controllers are Certified for use in equipment where the suitability of the combination is to be determined by the Canadian Standard Association.

#### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 14-18            - Industrial Control Equipment



## Supplement to Certificate of Compliance

Certificate: 1358397

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

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Project	Date	Description
80000741	2019-07-31	Update of Report 1358397 to cover change of manufacturer and type designation for Frianyl; addition of "Badamid" Type UL A703 GF20 FR HF, manufactured by Bada AG (E189230); addition of "Grivory" Type XE3876 or HT2V-3XV0 manufactured by EMS-Chemie AG; correction of dimension in item 8 Part K - Contact unit size and update material from Nylon to Polyamide
70041092	2015-09-16	Update to cover editorial changes in the report. According to the requirements of CSA C22.2 No. 14-13.
70002243	2013-09-13	Update to cover a change of the ratings for the cam switches series CAD and some descriptive changes. According C22.2 No. 14-13.
2223742	2009-10-29	Update to report to cover editorial corrections in the the description of the single hole mounting version (Part C). According C22.2 No. 14-05.
2089613	2008-10-01	Update to report 1358397 to cover alternate plastics
1358397	2003-01-17	Original Certification