


CERTIFICATION RECORD

The company named below has been authorized by Canadian Standards Association to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark  to these products according to the terms and conditions of the CSA Service Agreement.

NUMBR 013002V0000 July 19, 1988(Replaces:October 28, 1987)

CLASS 3211 05 (Re-examination Service)

KRAUS & NAIMER GMBH
31-39, Schumannngasse
Vienna 1181, Austria

13002

FACTORIES

1. 31-39, Schumannngasse
Vienna 1181, Austria
2. 20-28, Wikingerstrasse
Karlsruhe, Germany

INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Manual


- Ac cam-type controllers, open type, for speed control and similar applications, single- and three-phase, with the following maximum ratings at 600V, unless otherwise noted.

Type	Amp Rating (3-ph)	Hp Rating (3-ph)	Rating Code	Mfr. Size
A11	10A 600V ac	5 hp 600V ac	A600	1
A14	16A 600V ac	10 hp 600V ac	A600	1
A30	32A 600V ac	25 hp 600V ac	-	2
B0	12A 600V ac	5 hp 600V ac	-	0
B1	20A 600V ac	10 hp 600V ac	-	0
B9	12A 600V ac 1)	2.5 hp 240V ac	A300	0
B11	12A 600V ac	5 hp 600V ac	A600	0
B12	12A 600V ac	5 hp 600V ac	A600	1
B17	20A 600V ac	10 hp 600V ac	A600	0
B18	20A 600V ac	10 hp 600V ac	A600	1
BF18	20A 600V ac	10 hp 600V ac	A600	1
BG10	12A 600V ac 1)	2 hp 240V ac	A300	0
BG11	12A 600V ac	5 hp 600V ac	A600	0
C10	12A 600V ac 1)	2.5 hp 240V ac	A300	0
C11	12A 600V ac	5 hp 600V ac	A600	0
C12	12A 600V ac	5 hp 600V ac	A600	1
C17	20A 600V ac	10 hp 600V ac	A600	0
C18	20A 600V ac	10 hp 600V ac	A600	1
C26	35A 600V ac	25 hp 600V ac	A600	1

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C32	50A 600V ac	30 hp 600V ac	A600	1
C32S	50A 240V dc 2)	-	-	1
C42	65A 600V ac	30 hp 600V ac	A600	1
C42S	65A 240V dc 2)	-	-	1
C43	65A 600V ac	30 hp 600V ac	A600	2
C80	100A 600V ac	40 hp 600V ac	-	2
C125	150A 600V ac	50 hp 600V ac	-	2
C205	240A 600V ac	60 hp 600V ac	-	3
C250	240A 600V ac	60 hp 600V ac	-	3
CA4	10A 300V ac	1 hp 240V ac	A300	00
CA4-1	10A 300V ac	1 hp 240V ac	A300	00
CA10	16A 300V ac	3 hp 240V ac	A300	0
CA11	16A 600V ac	5 hp 600V ac	A600	0
CA20	30A 600V ac	10 hp 600V ac	A600	0
CF18	20A 600V ac	10 hp 600V ac	A600	1
CG4	10A 300V ac	1 hp 240V ac	A300	00
CG4-1	10A 300V ac	1 hp 240V ac	A300	00
CG6	16A 300V ac	3 hp 240V ac	A300	00
CG7	16A 600V ac	5 hp 600V ac	A600	00
CG8	16A 300V ac	3 hp 240V ac	A300	0
CG9	16A 600V ac	5 hp 600V ac	A600	0
CG10	12A 600V ac 1)	2 hp 240V ac	A300	0
CG11	12A 600V ac	5 hp 600V ac	A600	0
CG16	25A 300V ac	5 hp 240V ac	A300	0
CG17	25A 600V ac	10 hp 600V ac	A600	0
D10	10A 600V ac	5 hp 600V ac	A600	0
D10A	10A 600V ac	5.5 hp 600V ac	A600	0
D10B	10A 600V ac	5.5 hp 600V ac	A600	1
G20	25A 600V ac	5 hp 600V ac	A600	00
K25	30A 600V ac	15 hp 600V ac	A600	-
K40	55A 600V ac	30 hp 600V ac	-	-
K60	70A 600V ac	40 hp 600V ac	-	-

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KG15	30A 600V ac	15 hp 600V ac	A600	K0
KG20	25A 600V ac	5 hp 600V ac	A600	K00
KG25	40A 600V ac	20 hp 600V ac	A600	K0
KG32	30A 600V ac	10 hp 600V ac	A600	K00
KG40	80A 600V ac	50 hp 600V ac	A600	K1
KG41	30A 600V ac	15 hp 600V ac	A600	K0
KG63	100A 600V ac	50 hp 600V ac	A600	K1
KG64	40A 600V ac	20 hp 600V ac	A600	K0
KG80	80A 600V ac	50 hp 600V ac	A600	K1
KG100	100A 600V ac	50 hp 600V ac	A600	K1
TM	10A 300V ac	1 hp 240V ac	A300	00

1) 300V ac max between adjacent poles.


2) 60V dc max per contact.

Notes:

- The controllers are for back-of-panel mounting or for base plate mounting or single-hole mounting. The operating mechanism may be provided with special purpose equipment as required for key operating, locking, spring return, etc.
- The type designations are combined with numbers and letters indicating the switching combination, type of mounting, operating mechanism and auxiliary devices provided. Suffix A, B or C indicate provision of operating mechanism and mounting means of next larger size of controllers.
- The manufacturers assembling stations may vary the contact or cam arrangement, subject to the final acceptance as a component part of certified equipment.
- Controllers size 0 may be provided with an operating knob, illuminating device, Type SOQ100/B../.. with 4 telephone type slide base lamps, 4 by 0.75W, 60V max or Type SOQ100/A../.. with lamps 4 by 1.2W 60V max. Controllers size 1 and controller size 0 with suffix B may be provided with an operating knob illuminating device SIQ100/A../.. with 6 telephone type slide base lamps 6 by 2.5W 60V max.
- Controllers size 1 and controllers size 0 with suffix B may be provided with a push- or pull auxiliary switch, Type SICV..., 600V ac, heavy pilot duty; Types A30, C43, C80, C250 and controller (size 1) with suffix C and C205 may be provided with a push- or pull auxiliary switch, Types M510 up to 539, 10A, 600V ac, 1 hp.

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6. Controllers size 1 and controller size 0 with suffix B in type designation may be provided with under voltage release Types SID V35., shunt trip, SID V36., mechanical electrical interlock between cam type switches Type SID V14..
7. Controllers size 0 may be provided with an under-voltage or non-voltage release Types SOD V300A or SOD V310A (300V ac max).
8. The type designation of Types SID V is followed by the numbers 0 up to 9, indicating mechanical details.
9. Types KG.. (except for Types KG20 and KG32) may be provided with one additional contact set, with the same rating as each switch contact, or with one or two interconnection blocks with an ampere rating as the switch contacts. These types may be provided with one to six auxiliary contacts rated 10A 600V ac, code rated A600. Types KG20 and KG32 may be provided with two auxiliary contacts, rated 10A, 600V ac, code rated A600, only.
10. The Types A11, B9, B11, C10, with or without suffix B; C11, C12, D10, may be provided with male quick disconnect terminals, to accept quick disconnect wire connectors with insulated grip, subject to the final acceptance as component part of certified equipment.
11. Type G20 is provided with a trip-free under-voltage release 24V ac up to 300V ac.
12. The controllers are Certified for use in equipment, where the suitability of the combination is to be determined by the Canadian Standards Association.

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