



Certificate of Compliance

Certificate: 1041746 (220069)

Master Contract: 173766

Project: 70029696

Date Issued: 2015-06-22

Issued to: ABB France
Division Produits Basse Tension
Activite Control & Protection
3 Rue Jean Perrin CS 90009
Chassieu Cedex, 69687
FRANCE
Attention: Alain Ortega

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



Issued by: Pierre-Luc
Avoine
Pierre-Luc Avoine

PRODUCTS

CLASS - C321104 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Magnetic

Contactors: open type, coil voltages 600V ac or less, 50/60Hz, 250V dc or less (AE Types) rated as tabulated below:

Type	Amps at 600 V 3-ph	HP 3-ph ac				HP 1-ph ac		
		200 V	240 V	480 V	600 V	120 V	208 V	230 V
A 8	21	2	2	5	7.5	0.5	-	2
A(E)9	21	2	2	5	7.5	0.5	-	2
A 11	25	3	3	7.5	10	0.75	-	2
A(E)12	25	3	3	7.5	10	0.75	-	2
A(E)16	30	5	5	10	15	2	3	3

Type	Electric Heating Control (A) 600 Vac 3-ph	Incandescent Lamp Control (A) 600 Vac 3-ph	Discharge Lamp Control (A) 600 Vac 3-ph
A(E)9	15	15	15
A(E)12	15	15	15



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A(E)16 20 20 30

Type Elevator Control (HP)

230 Vac 220-240 Vac 440-480 Vac 550-600 Vac

1-ph 3-ph 3-ph 3-ph

A16 2 5 10 10

Type 3-phase 3-pole break KVArS

240V 480V 600 V

UA16...R 8.5 17 20

UA16...RA 8.5 17 20

Contactors, open type, coil voltages 12 Vdc up to 250 Vdc, (24 Vdc and 48 Vdc only for Types...Z); rated as tabulated below:

Type	Amps at 600 V 3-ph	HP 3-ph ac				HP 1-ph ac	
		200 V	240 V	480 V	600 V	120 V	240 V
AL9 (Z)	21	2	2	5	7.5	0.5	2
AL12 (Z)	25	3	3	7.5	10	0.75	2
AL16 (Z)	30	5	5	10	15	2	3



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Type	Electric Heating Control (A) <u>600 Vac 3-ph</u>	Incandescent Lamp Control (A) <u>600 Vac 3-ph</u>	Discharge Lamp Control (A) <u>600 Vac 3-ph</u>
AL9 (Z)	15	15	15
AL12 (Z)	15	15	15
AL16 (Z)	20	20	30

Contactors, 4-pole, open type, coil voltages 600 Vac or less, 50/60 Hz rated as tabulated below:

Type Amps at 600 Vac 4-ph

A9	21
A16	30

Type	Electric Heating Control (A) <u>600 Vac 3-ph</u>	Incandescent Lamp Control (A) <u>600 Vac 3-ph</u>	Discharge Lamp Control (A) <u>600 Vac 3-ph</u>
A9	15	15	15
A16	20	20	20

Contactors, 4-pole, open type, coil voltages 600 Vac or less, 50/60 Hz rated as tabulated below:

Type Amps at 600 Vac 4-ph

AL9-40	21
AL16-40	30

Type	Electric Heating Control (A) <u>600 Vac 3-ph</u>	Incandescent Lamp Control (A) <u>600 Vac 3-ph</u>	Discharge Lamp Control (A) <u>600 Vac 3-ph</u>
AL9-40	15	15	15
AL16-40	20	20	20

Contactors, 1-pole, open type, coil voltage 600 Vac 50/60 Hz or less.

Type	<u>General Use Amps at 240 Vdc</u>	<u>HP at 120 Vdc</u>	<u>HP at 240 Vdc</u>
A9	-	1	2
A12	-	1.5	3
A16	-	2	3

Contactors, open type, coil voltages 12 Vdc up to 230 Vdc; rated as tabulated below:



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Type	Amps at 600 V 3-ph	HP 3-ph ac				HP 1-ph ac	
		200 V	240 V	480 V	600 V	120 V	240 V
TAL9	21	2	2	5	7.5	0.5	2
TAL12	25	3	3	7.5	10	0.75	2
TAL16	30	5	5	10	15	2	3

Type	Electric Heating Control (A) 600 Vac 3-ph	Incandescent Lamp Control (A) 600 Vac 3-ph	Discharge Lamp Control (A) 600 Vac 3-ph
TAL9	15	15	15
TAL12	15	15	15
TAL16	20	20	20

Notes:

1. The type designation may be completed with numbers indicating number and type of auxiliary contacts and/or number of main contacts and with a letter indicating minor mechanical details.
2. The contactors are provided with a NO or NC auxiliary contact code rated A600 P300.
3. The contactors may be provided with side-mounted auxiliary contact units Type CAL5-11 with one NO and NC contact, code rated A600 Q300 or with front mounted auxiliary contact units Type CA5-10, with one NO contact, Type CA5-01, with one NC contact, Type CA5-13, CA5-22, CA5-31 or CA5-40, with four NC and/or NO contacts, each contact code rated A600 Q300 (See LR 56745-19).
4. Contactors may be provided with a mechanical/electrical interlock unit, connecting two contactors together to form a reversing contactor, Type VE5-1, with two auxiliary contacts code rated A600 Q300, or with a mechanical interlock unit Type VM5-1.
5. The type designation of contactors Types A(E)9, A(E)12, A(E)16, AL9, AL12 and AL16 (3- and 4-pole versions) may be followed by letters RT for ring tongue terminals (not suitable as wire binding terminals).
6. Following contactors have been subjected to a special investigation mechanical endurance test of 500,00 operations (no load) with the last 5 operations making and breaking 3-phase motor load of twice nominal current, pf 0.4-0.5 for 3-phase hp ratings. The contactors are suitable for use in elevator drive service (contactor is not intended to make and break current) in accordance with Clause 19.2.2 of CSA B44.1/ASME A17.5-1996 as indicated below:

Type	HP at 200-208 Vac 3-ph	HP at 220-240 Vac 3-ph	HP at 440-480 Vac 3-ph	HP at 550-600 Vac 3-ph
A(E)9	2	2	5	7.5
A(E)12	3	3	7.5	10
A(E)16	5	5	10	10

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7. The devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by CSA International.

PRODUCTS

CLASS 3211 03 - INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Auxiliary Devices

Industrial Relays, open type, coil voltages 600 Vac or less, 50/60 Hz,

- Types N22E, N31E, N40E, provided with 4 NO and/or NC contacts, code rated A600 Q300;
- Types N44E, N53E, N62E, N71E, N80E, provided with 8 NO and/or NC contacts, code rated A600 Q300.
- Types N33/11, provided with 3 NO, 3 NC, 1 early making NO and with 1 late breaking NC contact, code rated A600 Q300.

Industrial Relays, open type, coil voltages 12 Vdc up to 250 Vdc.

- Types NL22E, NL31E, NL40E, provided with 4 NO and/or NC contacts, code rated A600 Q300;
- Types NL44E, NL53E, NL62E, NL71E, NL80E, provided with 8 NO and/or NC contacts, code rated A600 Q300.
- Types NL33/11, provided with 3 NO, 3 NC, 1 early making NO and with 1 late breaking NC contact, code rated A600 Q300.

Industrial Relays, open type, coil voltages 12 Vdc up to 250 Vdc.

- Types TNL22E, TNL31E, TNL40E, provided with 4 NO and/or NC contacts, code rated A600 Q300;
- Types TNL44E, TNL53E, TNL62E, TNL71E, TNL80E, provided with 8 NO and/or NC contacts, code rated A600 Q300.
- Types TNL33/11, provided with 3 NO, 3 NC, 1 early making NO and with 1 late breaking NC contact, code rated A600 Q300.

Notes:

1. The types designation may be followed by letters RT for ring tongue terminals. (Not suitable as wire-binding terminals).
2. The devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by CSA International.

Note:

The devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by CSA International

APPLICABLE REQUIREMENTS

- | | | |
|----------------------|---|---|
| CSA-C22.2 No. 0-10 | - | General Requirements |
| CSA-C22.2 No. 14-13 | - | Industrial Control Equipment |
| CSA-C22.2 No. 190-14 | - | Capacitors for Power Factor Correction (Types UA...R and UA...RA only). |



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

Submittor's name or trade name 'ABB', type designation, electrical ratings and the CSA Monogram are ink-printed on each contactor or relay. Wire temperature rating '75°C only' and torque value for main terminals are ink-printed on the devices or are shown in the containing carton.

Electric heating control, incandescent lamp control, kVA and discharge lamp control ratings may be shown on the containing carton, or may be ink-printed on the contactors instead of or in addition to ampere and hp-ratings.

The coil voltage is shown adjacent to the coil terminals.

The auxiliary contact blocks and interlocks are marked with submittor's name or trade name 'ABB', type designation and contact rating.

Devices with ring tongue terminals are provided with an instruction for these terminals in the containing carton.



Supplement to Certificate of Compliance

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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

Project	Date	Description
70029696	2015-06-22	Change of Across-the-line motor starting HP ratings of Motor controller model A16 to 2HP (at 120Vac, 1PH, 24F.L.A.), by acceptance of UL Test data, to the requirements of CSA-C22.2 No. 14-13.
1531432	May 27, 2004	Update to report -1041746 to include Types TAL9, -12, -16; to add elevator control ratings to types A(E)9, -12, -16; to include types with ring tongue terminals and include Types TNL....E
1488380	November 26, 2003	Update to report -1041746 to include Types AL9 (Z), AL12 (Z), AL16 (Z), N33/11, NLZ..RE, NL(Z)22E, NL(Z)31E, NL(Z)40E, NL44E, NL53E, NL62E, NL71E, NL80E, NL33/11.
1467441 UA16-RA.	August 28, 2003	Update to Report -1041746 to include Types AL9, AL12, AL16, AL9-40, AL16-40,
1384884	February 5, 2003	Update to Report 1041746 to include Types A8, A11.
1252421	November 5, 2001	Update to Report 1041746 to add electrical rating to Type A(E)16.
1153597 A12 and A16.	February 9, 2001	Update to report 1041746 to include Type UA16...R and add dc-HP ratings to types
1041746	December 16, 1999	SUPERSEDES LR 56745-20 to include Types AE9, AE12 and AE16.
LR-56746-24	September 30, 1998	Update to reports -19 and -20 to add elevator ratings to contactor Types A16 and A40.
LR-56746-23	June 3, 1998	Update to report -19 to add Type UA26 and additional electrical ratings; - Update to report -20 to add 4-pole types, industrial relays Types N..E.
LR-56746-20 UA75.	July 30, 1997	Contactors Types A26, A30, A40, A(E)50, A(E)63, A(E)75, UA26, UA40, UA50,