

# **Certificate of Compliance**

Certificate:	1133395	Master Contract:	168390 (111137_0_000)
Project:	70105851	Date Issued:	2017-02-08
Issued to:	Carlo Gavazzi Controls S.p.A. Via Safforze 8 Belluno, 32100 ITALY		

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



Issued by: Marilyn Laroche Marilyn Laroche

#### **PRODUCTS**

CLASS - C321107 - INDUSTRIAL CONTROL EQUIPMENT-Miscellaneous Apparatus

<u>Part-A</u>: Timer delay and operate relays; Models DAA51, DCB51, DMB51 and DBA52; Supply 24Vdc or 24 Volts to 240Vac, 1.5W; 1 output contact, max rating: 8A at 250V ac; 1/2 hp at 240Vac and 2.5A, 24Vdc.

<u>Part-B</u>: Timer delay and operate relays; Model DAC51; Supply 24 Volts to 240Vac/dc, 1.5W; 1 output contact, max rating: 8A at 250Vac, 1/2 hp at 240Vac and 2.5A at 24Vdc.

<u>Part-C</u>: Timer delay and operate relays; Model DMB51CW24; Supply 12V to 240Vac/dc, 1.5W; 1 output contact, max rating: 8A at 250V ac, 1/2 hp at 240Vac and 2.5A at 24Vdc.

<u>Part-D</u>: Timer delay and operate relays; Models DHA51 and DHA52; Supply 24Vdc or 24 Volts to 240Vac, 1.5W; 1 output contact, max rating: 8A at 250Vac, 1/2 hp at 240Vac and 2.5A at 24Vdc.

<u>Part-E</u>: Timer delay and operate relays; Models DAA71 and DMB71; Supply 24Vdc or 24 Volts to 240Vac; 50VA (ac); 2W (dc); 2 output contact, max rating: 5A at 240V ac; 1/2 hp at 240Vac and 5A, 24Vdc.

<u>Part-F</u>: Timer delay and operate relays; Model DAA71CW24 and DMB71CW24; Supply 12V to 240Vac/dc; 5.5VA (ac); 2W (dc); 2 output contact, max rating: 5A at 240V ac, 1/2 hp at 240Vac and 5A at 24Vdc.



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<u>Part-G</u>: Timer delay and operate relays; Models DLA71xB23 and DLA73xB23; Supply 115/230Vac; 3VA; 2 or 3 output contact, max rating: 5A at 240V ac and 1/10 hp at 277Vac.

<u>Part-H</u>: Timer delay and operate relays; Models DLA71xB48 and DLA73xB48; Supply 24V/48Vac; 3VA; 2 or 3 output contact, max rating: 5A at 240V ac and 1/10 hp at 277Vac.

<u>Part-I</u>: Timer delay and operate relays; Models DLA71xD48 and DLA73xD48; Supply 24 to 48Vac/dc; 3VA; 2 or 3 output contact, max rating: 5A at 240V ac and 1/10 hp at 277Vac.

<u>Part-J</u>: Timer delay and operate relays; Models DAA51, DMB51 and DBA52; Supply 24Vdc or 24 Volts to 240Vac, 1.5W; 1 output contact, max rating: 8A at 250V ac; 1/2 hp at 240Vac and 2.5A, 24Vdc. Alternate construction of models already Certified under Part A.

<u>Part-K</u>: Timer delay on release; Models DBB51CM24; Supply 24Vdc or 24 Volts to 240Vac, 1.5W; 1 output contact, max rating: 8A at 250V ac; 1/2 hp at 240Vac and 2.5A, 24Vdc

<u>Part-L:</u> Timer delay on operate-multifunction; Models HAA08 & HAA14; Supply 24 to 240Vac/dc, max 1.5W, 10VA; two (HAA08) or four (HAA14) output contacts, max rating 5A at 240Vac; 1/10hp at 240Vac; pilot duty 240 Vac, 72 VA (D300 at 240V only)

Notes:

- For use internal to certified enclosure only. Open type component for factory installation only where the suitability has to be evaluated by CSA International in the final assembly.

- Suffixes may be added for software variations.

#### **APPLICABLE REQUIREMENTS**

CSA-C22.2 No. 14-13 - Industrial Control Equipment



## Supplement to Certificate of Compliance

Certificate: 1133395

Master Contract: 168390 (111137\_0\_000)

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

Project	Date	Description
70105851	2017-02-08	Addition of alternative plastic material and relays specific to the Timer delay and operate relays.
2702941	2014-02-19	Addition of R8 resistor to supply board of HAA timers series and reduction of dielectric strength factory test production quota requ irement.
2151854	2009-03-25	Addition of series HAA08 and HAA14.
1959662	2007-11-15	Addition of models DLA71x48, DLA73x48, DBB51CM24 and alternate construction of models DAA51, DMB51 and DBA52.
1781808	2006-08-11	Add models: DBA52, DMB71, DAA71, DLA71 and DLA73.
1738888	2006-01-03	Report update for alternate certified output relay Series JS, and output contact may be marked at max rating or less.

### **Product Certification History**

#### History

1418281 - April 7, 2003 - Models DAC51, DCB51, DMB51CW24, DHA51, DHA52.

1195317 - May 10, 2001 - Alternate relays.

1133395 - November 10, 2000 - Original Certification. Timers delay and operate relays, Type DAA51 and DMB51.