CSA Group

# Certificate of Compliance

**Certificate:** 1654368 **Master Contract:** 229473

**Project:** 2553768 **Date Issued:** September 11, 2012

**Issued to:** **Rockwell Automation, Inc./**
**Allen-Bradley**
**1201 South Second St**
**Milwaukee, WI 53204**
**USA**

**Attention:** **Ms. Denise L. Denault**

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

*Kim Atkins*
**Issued by:** K. Atkins

**PRODUCTS**

CLASS 3211 07 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus

Miniature Size Relays:

Cat No 700-HP with dust cover, 100,000 cycle, suitable with ambient temperatures up to 85°C for PCB mounting.

Contact Ratings: 8A, 250V ac, resistive 1/3 hp, 220-240V ac, 1/6Hp, 110-120V ac

Coil Ratings: The coils are rated 5 through 125V dc; and 6 through 240V ac.

Cat No. 700-HB, 700-HD with dust cover:

| Pole | Ratings |
|---|---|
| 3PST, 3PDT<br>2PST, 2PDT | 15A, 277V ac, 250V ac general purpose, per pole. |
| | 10A, 400V ac general purpose, per pole |
| | 3/4 hp, 110-120V ac, 13.8A per pole |
| | 2 hp, 220-240V ac, 12.0A per pole. |

Coil Ratings: AC - 6 through 400V ac
DC - 6 through 220V dc

Note: These relays are Certified for use only as components for use in assemblies where the acceptability of the combination is determined by CSA International.

Miniature size relays, Cat No 700-HC, with dust cover, operating coils to 240V ac or 125V dc, contacts spdt and 2pdt, 10A, 2 pdt 8A (same Polarity), 4 pdt, 4.5A, 250V ac, (same polarity).

Miniature size relays, Cat No 700-HA, with or without dust cover, operation coils to 240V ac or 125V dc, contacts 10A, 300V ac, 2.5kVA.

Miniature Size Relays Series 700-HF, with dust cover, DPDT and 4PDT, with:

Contact Ratings: 12A, 277V resistive
1/2 hp, 120V ac max, single phase
1 hp, 240V ac max, single phase
12A, 277V ac general use
12A max, 30V dc general use
B300, 240V ac max, 360 VA standard pilot duty

and Coil Ratings: 6 to 277V ac;
6 to 220V dc

Notes:

1. Open type devices are Certified only use in other Certified equipment where the suitability of the combination is to be determined by the CSA International.

2. Relays were tested at ambient temperatures higher than 40 C and extended number of cycles. See Tests section of report.

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Class No 3211 04 – INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Magnetic

Magnetic Relays, open type, Model Nos. 700-HPS2Z06, 700-HPS2Z12, 700-HPS2Z24, 700-HPS2Z48, 700-HPS2Z60, 700-HPS2Z1, 700-HPS2Z01, 700-HPSXZ06, 700-HPSXZ12, 700-HPSXZ24, 700-HPSXZ48, 700-HPSXZ60, 700-HPSXZ1, 700-HPSXZ01:

| Application | Electrical ratings | Operating cycles |
|---|---|---|
| AC General Use | 277 V / 2 x 8 A (CO)<br>(AgNi (+ 5µm Au) contacts) | 100,000 |
| | 277 V / 2 x 8 A (CO)<br>(AgSnO2 contacts) | 50,000 |
| DC General Use | 30 V / 2 x 8 A (CO)<br>(AgSnO2 contacts)<br>(AgNi (+ 5µm Au) contacts) | 6,000 |
| AC Motor Starting<br>Break All Lines<br>Single-Phase | Only NO Contacts<br>240 V, 1ϕ(Break-all-lines)<br>1/2 Hp (4.9 FLA / 29.4 LRA) | 6,000 |
| | 120 V, 1ϕ(Break-all-lines)<br>1/3 Hp (7.2 FLA / 43.2 LRA)<br>(AgSnO2 contacts)<br>(AgNi (+ 5µm Au) contacts) | 6,000 |

| Application | Electrical ratings | Operating cycles |
|---|---|---|
| Standard<br>Pilot Duty | Only NO Contacts<br>B300, 240 Vac max, 360 VA<br>(AgSnO2 contacts)<br>(AgNi (+ 5µm Au) contacts) | 6,000 |

Notes:

1. Open type devices are Certified only for use in complete assemblies where the sustainability of the combination is subject to further investigation.

2. Terminals are suitable for factory wiring only.

3. These devices have been tested in an elevated ambient temperature of 70°C with a minimum distance among the relays of 5mm. Considerations shall be given for the need of repeating the Temperature test in other end-use ambient conditions.

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## APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 (R2001) - General Requirements - Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 14-10 - Industrial Control Equipment

## MARKINGS

Company's name or tradename, type designation, electrical ratings, coil voltage and CSA Monogram are ink-printed on the relays. The factory identification code may also appear on the relay body.