

Certificate of Compliance

Certificate: 1067867

Master Contract: 203874 (LR 22310)

Project: 1115640 (Ed. 2)

Date Issued: September 20, 2000

Issued to: **OMRON ELECTRONICS, INC.**
One East Commerce Dr.
Schaumburg, IL 60173
Attention: Mr. G. Guajardo

The Products listed below are eligible to bear the CSA Mark shown.



Issued by: R. Tangirala, P.Eng.

Signature: 

PRODUCTS

CLASS 3211 07 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus

TIMER and COUNTER:

Series H8GN-A with suffixes, open type, input voltage 24 Vdc, output, relay contact 3A (res), 250V ac;

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 14 -Industrial Control Equipment

COPY



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.*

Issued by: R. Tangirala, P.Eng.

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Product Certification History

Project	Date	Description
1115640	Sept. 20, 2000	Update to cover corrections (terminal block dimension) and deletion of Omron Control number for Printed Wiring and Power Supply Board.
1067867	April 25, 2000	Original Certification - Type H8GN-A Series Timer and counter.

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DESCRIPTION

Electrical Spacings:

- Control circuits are in accordance with CSA Std 14, Table 6, Group B (250V).
- Printed wiring boards are in accordance with CSA Std 14, Table 40, and Column 2 for the 250V transient unlimited uncoated group (1.0mm).

See following Illustrations for details:

- III - 2 : Counter Block Diagram
- III - 3 : Counter connection Diagram
- III - 4 to 7: PCB Assembly Diagram
- III - 8 to 10: Circuit Diagrams

Nomenclature:

H8GN-A - D - FLK - 300
 I II III IV

- I - Basic type designation
- II - Power supply Type
D - 24V dc
- III - Communication function
Blank - Not Provided
FLK - Provided
- IV - Optional suffixes - May be followed by a number from 300 through 999.

CONSTRUCTION DETAILS (Fig. 1 and 2):

Fig 1 and 2 represents Series H8GN-A timer and counter. The details of components are as follows:

1. **Case:** Type LN-2250 manufactured by Teijin Chemicals Ltd., Min 0.7mm thick, overall dimensions 24.0 by 48.0 by 67.1mm. Flammability rating V-2 (0.43mm) and temperature rating of 80°C (RTI, Electrical)
2. **Terminal Block:**

 CSA Accepted plastic, Type 500V manufactured by Asahi Chemical Industry Co., Ltd. Minimum thickness 1 mm, overall dimensions 22.0 by 44.8 by 26.5 mm. Flammability rating V-1 (0.73mm) and temperature rating of 110°C (RTI, Electrical).

Screw: Plated Iron, Size M3, head dia 5.3mm, and length 8.4mm and thread dia 2.89mm. Provided with a wire retaining washer (5.65 by 5.65 by 0.9mm).

Stationary Contact Terminal: Copper alloy, 0.2mm thick, U - shaped, width varies with length, 2.81mm width at the contact point. Also provided with a 3.5mm dia hole to accommodate screw.
Tab: Brass may be plated, 5.7mm square 0.8mm thick, tap hole 2.5mm, plunge pierced and provided with threads to accommodate screw.
3. **Relay (X301):** CSA Certified (LR31928-200), Type G6C-2117P-US manufactured by Omron Corp., coil rated 12V dc, contacts rated 8A, 250V ac; 8A, 30V dc.