



Certificate of Compliance

Certificate Number: LR 99468-3

Revision: LR 99468-3

Date Issued: April 7th, 1995

Issued To: R. Stahl Schaltgerate GmbH
Bergstrasse 2,
Postfach 12 63,
D-7118,
Kunzelsau
Germany

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

Issued By: D. Adams, P. Eng.
Edmonton, AB CANADA

Signature

CLASS

4418 02 OUTLET BOXES AND FITTINGS - Boxes - for Hazardous Locations

PRODUCTS

Class I, Division 2, Groups A, B, C and D;
Class II, Division 2, Groups E, F and G;
Class III:
(CSA Enclosure Types 2, 3, 3R, 4, 4X, 5, 12 and 13)

Junction (Blank) Boxes, Series 8146/-; provided with cable entries and/or conduit hubs.

Terminal Boxes, Series 8146/1; complete with terminals for termination of power circuits, rated 1 000 V ac max; provided with cable entries and/or conduit hubs.

Terminal Boxes, Series 8146/2; complete with terminals for termination of signal or control circuits, rated 1 000 V ac max; provided with cable entries and/or conduit hubs.

Notes:-

1. Model designation includes alpha-numeric suffixes, denoting enclosure sizes, special enclosure types, terminal and conduit entry configurations.
2. These boxes are in modular form, which could be assembled to create an array of columns and rows, and overall sizes.
3. Junction (Blank) Boxes are intended only for mounting of CSA Certified Terminal Blocks.



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APPLICABLE REQUIREMENTS

The Following standards were used as a guide in the evaluation of the products covered by this report:

- CSA Standard C22.2 No 0- M91 - General Requirements - Canadian Electrical Code Part II.
- 25- 1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations.
- 94-M1991 - Special Purpose Enclosures.
- 158- 1987 - Terminal Blocks
- 174-M1984 - Cables and Cable Glands for Use in Hazardous Locations.
- 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

MARKINGS

A. Data and Information

1. Blank (Empty) Box

The following information appear on each assembly:

- a. Submitter's name, or Trademark, or the CSA file number appearing adjacent to the CSA Certification Mark.
- b. Model designation, or part number.
- c. Month and year of manufacture, or date code, or serial number traceable to the month and year of manufacture.
- d. Hazardous Location designations.
- e. Special enclosure designations.
- f. The cautionary statement:
CAUTION: KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE.
ATTENTION: GARDER LE COUVERCLE BIEN FERMÉ TANT QUE LES CIRCUITS SONT SOUS TENSION (French Warnings are Optional).
- g. When intended for Class I, Division 2 Hazardous Locations, the warning statement:
WARNING: FOR TERMINATION AND JOINING OF WIRES USING CSA CERTIFIED TERMINAL BLOCKS ONLY. NO OTHER ELECTRICAL COMPONENTS SHALL BE INSTALLED IN THIS BOX.
AVERTISSEMENT: (French Warnings are Optional)
or wording of equal effect must also be included.
- h. The CSA Monogram.



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MARKINGS (Continued)

2. Terminal Box

The following information appear on each assembly:

- a. Submittor's name, or Trademark, or the CSA file number appearing adjacent to the CSA Certification Mark.
- b. Model designation, or part number.
- c. Month and year of manufacture, or date code, or serial number traceable to the month and year of manufacture.
- d. Electrical rating of terminals, [ie: voltage and ampere ratings, and permissible wire size, of terminals within the enclosure].
- e. Hazardous Location designations.
- f. Special enclosure designations.
- g. The cautionary statement:
**CAUTION: KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE; and
ATTENTION: GARDER LE COUVERCLE BIEN FERMÉ TANT QUE LES CIRCUITS
SONT SOUS TENSION (French Warnings are Optional).**
or wording of equal effect.
- h. The CSA Monogram.

B. Method of Marking

1. Embossed, moulded, or etched, to the material of the enclosure;
2. Metal nameplates, 0.50 mm thick minimum, attached to the enclosure by screws, drive screw, or equivalent; and/or
3. "Accepted" pressure-sensitive adhesive type labels.

FACTORY TESTS

At the conclusion of manufacture and prior to shipment, the equipment shall withstand for one minute without breakdown, the following test potential:

- ▶ 1 000 V ac plus twice the rated voltage.

applied between live-parts and exposed non-current-carrying metal-parts (including conduit hubs).

Notes:-

1. As an alternative, a test potential of 20% higher may be applied for 1 second.
2. A dc test potential may be used. In which case, the dc test potential shall be at least 1.42 times the required ac test potential.

WARNING:-

The factory test specified above may present a hazard of injury to personnel and/or property, and should be performed by persons knowledgeable of such hazards and under conditions designed to minimize the possibility of injury.




Supplement to Certificate of Compliance

Certificate Number: LR 99468-3

Product Certification History

Revision	Date	Description
LR 99468-3	95/APR/07	Original Certification.

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

Signature 

D. Adams, P. Eng.
Edmonton, AB CANADA