



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1850696 (LR 99480)

Master Contract: 171050

Project: 2115398

Date Issued: 2008/11/27

Issued to: R. Stahl Schaltgeraete GmbH
Am Bahnhof 30
Waldenburg, 74638
Germany
Attention: Mr. Werner Foerstner

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Andrew Redeker

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS 1448 01 - CIRCUIT BREAKERS - For Hazardous Locations

CLASS 1448 81 - CIRCUIT BREAKERS - For Hazardous Locations - Certified to U.S. Standards

Class : 1448 01 CIRCUIT BREAKERS; For Hazardous Locations

Class : 1448 81 CIRCUIT BREAKERS; For Hazardous Locations - Certified to U.S. Standards



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Ex de IIC T5 or T6

Class I, Zone 1, AEx de IIC T5 or T6

Class I, Division 2, Groups A, B, C and D T5 or T6:

Series 8562/5 Explosion Protected Molded-case Circuit Breakers (ExMCB); IP 20,

Rated as follows:

Types 8562/5x-x41: 1 to 25A , 60Vac/dc, 1-pole, 5kA IC;

Types 8562/5x-x42: 0.2 to 40A , 240Vac, 1 to 3 pole HIC 10kA;

Types 8562/5x-x43: 0.2 to 25A max, 277Vac, 1-pole and 480Y/277 Vac, 2 or 3-pole, HIC 10kA

NOTES:

1 Series 8562/5 ExMCB has been evaluated for operation at 25C, nominal ambient temperatures only (i.e. 25C uncompensated).

2 Series 8562/5 ExMCB must be installed in a Certified Increased Safety 'e' enclosure. When installing the ExMCBs into 'e' enclosures the spacing distances through air and over surface, in accordance with CAN/CSA E60079-7 and C22.2 No. 5-02, must be maintained.

3 Series 8562/5 ExMCB have been Certified as a component and the suitability of the final assembly is to be determined by CSA International or the local inspection authorities having jurisdiction.

4 Series 8562/5 ExMCB were investigated for HIC Rating of 10kA in this application and shall be subject to annual re-ex testing as per Submitter's written agreement

5 For Class I, Division 2 installations; Series 8562/5 ExMCB must be installed in a suitable enclosure providing mechanical protection, provisions for conduit/cable entry, and sufficient clearance for electrical connections as per C22.2 No. 5 and 14.

6 X-x is replaced with codes indicating body width and number of poles. See Nomenclature for details.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 General Requirements Canadian Electrical Code Part II.

CAN/CSA-C22.2 No. 5-02, 1st Ed. Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker



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Enclosures

CAN/CSA-C22.2 No. 65-03 Wire Connectors.

CAN/CSA-C22.2 No. 60529:05 Ingress Protection

CAN/CSA-E60079-0:02 Electrical Apparatus for Electrical Gas Atmospheres Part 0: General Requirements

CAN/CSA-E60079-1 :02 Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Construction and Verification Test of Flameproof Enclosures of Electrical Apparatus

CAN/CSA-E60079-7 :02 Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety 'e'.

C22.2 No. 213-M1987 Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

UL 489, 10th Ed. Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures

ANSI/UL 60079-0, 4th Ed Standard for Safety for Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements,

UL 60079-1, 2nd Ed. Standard for Safety for Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof enclosures “d”

UL 60079-7, 2nd Ed. Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety 'e'.

UL 1604, 3rd Ed. Electrical Equipment for Use in Class I and II, Division 2, And Class III Hazardous (Classified) Locations.



Supplement to Certificate of Compliance

Certificate: 1850696

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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
2115398	2008/11/27	Update to report 1850696 to correct drawing revision dates
1850696	2007/02/22	CSAc_us Certification to Zone 1 and Division 2 for Series 8562/5 Explosion Protected Molded-case Circuit Breakers