



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1773803 (LR 99480)

**Master Contract:** 171050

**Project:** 1773803

**Date Issued:** 2006/08/17

**Issued to:** R. Stahl Schaltgeraete GmbH

Am Bahnhof 30  
Waldenburg, 74638  
Germany  
Attention: Bruno Gross

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



**Issued by:** Michael Landrum

**Authorized by:** Patricia Pasemko, Operations  
Manager

## PRODUCTS

**CLASS 3218 01** - INDUSTRIAL CONTROL EQUIPMENT - Custom Built - For Hazardous Locations

Ex de, IIC, T6;

- Contact Block 8082/1, IP 20. Rated at 500 Volts, 6 Amp max, and 600 Volts, 10 Amps (UL). Suitable to -50°C.
- Indicating Lamp 8010/2, IP54/20 (at connections). Rated at 10.8 to 270 Volts, 0 to 60 Hz. Suitable to -50°C.
- Control Switches IP 54/00 (at connections). 8003/3 and 8008/2-2 - 24Vdc (-29% +25%), 200mA maximum per pole, 8008/4 is 380 Vac, 6 Amps per pole; 8008/2-0 rated 600V, 10 Amps max, 8008/2-1 rated 250 Vdc, 16



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Amps; 380 Vac, 16 Amps. Further ratings vary to utilization category. 8008/2-6 main paths, 660V, 16 Amps, auxiliary paths 380 Volts, 6 Amps.

Ex e II, T6;

- Ammeter 8405, Ratings vary on the range to measured 0.02 Amps to 15 Amps, Power rated 0.09 Watts from 0.2 Watts. Suitable to -50°C. Rated insulation 660 Volts.
- Terminal Blocks 8181, Rated voltage 418 V max, maximum current load 30 amps max. Rated insulation voltage 380 Volts, rated current 23 Amps.

Ex dme IIC T6;

- Control Unit 8208, IP56/00 (at connections)

Note: The above equipment is designed to be installed into a proper increased safety enclosure for environmental protection.

#### **APPLICABLE REQUIREMENTS**

The following standards were used in the evaluation of the products covered under this Certificate:

- C22.2 No. 0-M91 – General Requirements – Canadian Electrical Code, Part II
- C22.2 No. 14-M1987 - Industrial Control Equipment.
- C22.2 No. 30-M1986 - Explosion Proof Enclosures for Use in Class I Hazardous Locations.
- CAN/CSA- E60079-0-02 - Electrical Apparatus for Explosive Gas Atmospheres  
Part 0: General Requirements
- E60079-1-02 - Electrical Apparatus for Explosive Gas Atmospheres -  
Part 1: Flameproof Enclosures "d"-
- E60079-7-03 - Electrical Apparatus for Explosive Gas Atmospheres -  
Part 7: Increased Safety "e"-



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## *Supplement to Certificate of Compliance*

Certificate: 1773803

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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

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| Project | Date       | Description   |
|---------|------------|---|
| 1773803 | 2006/08/17 | Control Switch alternate plastic material, tested by PTB. |

### History

| Project     | Date             | Description  |
|-------------|------------------|--|
| LR 99480-23 | October 14, 1997 | Certification of 8082, 8008, 8181, 8010, 8405 and 8208 for Hazardous Locations.                                |
| LR 99480-26 | January 15, 1998 | Corrections to -10, -13, -14, -15, -16, -17, -18, -19, -20, -22, -23, -24, -25 and addition of 8180/03 to -17. |