



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1650025 (LR 99480-17)

**Master Contract:** 171050

**Project:** 1650025

**Date Issued:** 2005/03/08

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

Am Bahnhof 30  
Waldenburg, 74638  
Germany  
Attention: Wolfgang Berner

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



**Issued by:** Gary Boswell

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

## **PRODUCTS**

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

Ex de, IIC, T6.

- Control Switches, IP 00(at terminals)/54. Mechanical Switching system; 660 Vac, 50/60 Hz. 15 Amp (8006/1) and 25 Amp (8006/2). Electronic Switching system, 24V (+25% and -29%), maximum load current 200 mA. Suitable for -50°C to 40°C.
- Load and Motor Switch Series, IP 00(at terminals)/54; Mechanical switching system 8543/1; 660V, 63 Amps max; 8543/2 660V, 80 Amps max, auxiliary contacts 16 Amps. Electrically switching system 24V (+25% to -29%), at 200 mA. Suitable for -50°C to 40°C.



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- Load and Motor Switch Series, IP 00(at terminals)/54; 8548/1, 660V, 125 Amp max, 4-pole; 8548/2, 160 A at 500V or 125 A at 660V. Suitable for -50°C to 40°C.
  - 8560 Fuse Series; IP 00(at terminals)/54; 8560/51 (250 Volts, 4 amps); 8560/61 (500 Volts, 4 Amps); 8560/71 (275 Volts, 5 Amps max), T5. Suitable for -50°C to 40°C.
  - 8523 Motor Protection Circuit Switch Series, IP54/20(at terminals), Rated voltage 690V, 22 Amps max; auxiliary contacts 6 Amps max.
  - 8510 Control Unit Enclosure, IP 54/20 (on terminals). Suitable for -50°C to 40°C.

Ex d IIB, IP 54;

- 8261 Flameproof Enclosure

Ex ib IIC, T6;

- Moving Coil Ammeter Model 8402/2-1; IP 52/00 (at terminals). Short Circuit current, 150 mA max; measuring range 0-20mA, Internal Resistance 4.3 S, Inductance .13mH (at 1000Hz).

Ex e II, T6;

- 8180/03 Terminal block series; 690 Volts, 500 Amps max for T6, 630 Amps for T5.

#### NOTES

- (1) Numeric suffixes are added to the model numbers, denoting specific information pertaining to the models.
- (2) The above models are designed for increased safety enclosures.
- (3) The above equipment may also bear the optional marking shown in the Marking section.

#### **APPLICABLE REQUIREMENTS**

Technical Information Letter TIL E-24 - Clarification of Marking Requirements for Electrical Equipment Certified to the requirements of IEC 79 Series Standards, C22.2 Series Standards, or both.

CSA Standard CAN/CSA E79-0 - Electrical apparatus for explosive gas atmospheres. General requirements.

CSA Standard CAN/CSA E79-7 - Electrical apparatus for explosive gas atmospheres. Increased safety.



## *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.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1650025	2005/03/08	Supercedes LR 99480-17 to delist Model 8562/4 Circuit Breaker.

#### **History**

LR 99480-17 - October 6, 1997 - Original Certification of the 8125 Series of Control Stations, including the 8006/1, 8543/1, 8548/1 Control Switches, 8560 Fuse, 8562/4 Circuit Breaker, 8523/7 Motor protection circuit, 8510 Control Unit Enclosure, 8261 Flameproof Enclosure, and the 8402 Moving Coil Ammeter.

LR 99489-26 - January 15, 1998 - Corrections to the File -17 and addition of 8180/03.