



# Certificate of Compliance

**Certificate:** 2533905

**Master Contract:** 154402

**Project:** 70022335

**Date Issued:** March 30, 2015

**Issued to:** Minco Products Incorporated

7300 Commerce Lane  
Minneapolis, MN 55432  
USA  
Attention: Rob Bohland

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



*Hossein Saleh*

**Issued by:** Hossein Saleh

## **PRODUCTS**

**CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

### **Ex e IIC Gb**

The Resistance Temperature Detectors (RTD's) for Stator Windings, Types S100050 ... - S100055 ..., S200050 ... - S200055 ..., MS . . 200 . . . . ., MS . . 251 . . . . ., MS . . 302 . . . . ., MS . . 353 . . . . ., MS . . 404 . . . . ., MS . . 455 . . . . ., TS102052, S102040 and S207977 are intended to be built in to the stator slots of rotating electrical machines. Versions for 2-, 3- or 4-wire measurement circuits are available.

The Bearing Probe Resistance Temperature Detectors S207927 series are intended to be used for motor bearing temperature monitoring. Versions for 2-, 3- or 4-wire measurement are available.

Stator Windings            Operating temperature range -50 °C to +180 °C.

Bearing probe            Operating temperature range -60 °C to +180 °C.

### Electrical data

Stator Windings            Measuring current ..... max. 10 mA

Power ..... max. 1.5 W

Bearing probe            Measuring current ..... max. 5 mA

Power ..... max. 0.49 W



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Notes:

- This device is certified as a component to be installed in a final application accepted by local authority having jurisdictions.
- Temperature code will be determined on the final application.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 61010.1-04	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements.
CAN/CSA-C22.2 No.0-M91	General Requirements – Canadian Electrical Code, Part II
CAN/CSA C22.2 No. 60079-0:11	Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
CAN/CSA C22.2 No. 60079-7:12	Electrical Apparatus for Explosive Gas Atmospheres – Increased safety "e"



## *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>
70022335	Mar 30, 2015	Update the Report 2533905 to allow sleeving to be placed on the RTD from the factory.
2533905	Aug 28, 2012	Update without test to report temperature detector to cover stator slot RTD stick, type S207977