

# Certificate of Compliance

**Certificate:** 1891054

**Master Contract:** 237831

**Project:** 1891054

**Date Issued:** September 14, 2007

**Issued to:** BETA. B.V.  
Verrijn Stuartlaan 22-24  
2288 EL Rijswijk  
THE NETHERLANDS

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



**Issued by:** E. Giusti

**Authorized by:** M.H.J. Hoendervangers



## PRODUCTS

CLASS 2258 04 – Process Control equipment- Intrinsically Safe, Entity- For Hazardous Locations

IS CLASS I, II, III Div1 Groups A,B,C,D,E,F,G  
Ex ia IIC T6 T85 °C

The BETA Pressure and Temperature Switches, Series C.- are designed for use in intrinsically safe systems. One or two micro switches may be provided. Provides Intrinsically safe outputs when connected as per Control Drawing 30.09.89.

Entity parameters :  $U_{max} / U_i = 90 \text{ V}$ ,  $I_{max} / I_i = 3.3 \text{ A}$ ,  $C_i = 0 \text{ } \mu\text{F}$  and  $L_i = 0 \text{ mH}$ .

Enclosure Type 4X.

Ambient temperature range:  
 $-40^\circ \text{ C} \leq T_{amb} \leq 80^\circ \text{ C}$

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### APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91	General Requirements - Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 142-M1987 (Reaffirmed 1993)	Process Control Equipment (Industrial Products)
CAN/CSA-C22.2 No. 157-92	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CAN/CSA-C22.2 No.25-1966	Enclosures for use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No. 94-M91 (Reaffirmed 2006)	Special Purpose Enclosures
CAN/CSA-IEC60079-0-02	Electrical apparatus for explosive gas atmospheres - General Requirements
CAN/CSA-IEC60079-11-02	Electrical apparatus for explosive gas atmospheres – Intrinsic safety i

### MARKINGS

- CSA Monogram
- Company name or Master Contract
- Model number
- Serial number
- CSA Certificate No : 07.CSA.1891054
- Electrical rating
- Control drawing number
- Electrical rating
- The words "INTRINSICALLY SAFE"
- Special purpose enclosure designation, "TYPE 4X"
- Ambient temperature range:  $-40^{\circ} \text{C} \leq T_{\text{amb}} \leq 80^{\circ} \text{C}$
- Temperature Code T6



## *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>
1891054	September 14, 2007	CSA, original certification of the BETA Pressure and Temperature Switches, Series C