



# Certificate of Compliance

**Certificate:** 1714101 (LR87970)

**Master Contract:** 180848

**Project:** 1714101

**Date Issued:** 2006/01/27

**Issued to:** ABB SACE S.p.A.  
Via Statale 113  
Lenno, Como 22016  
Italy  
Attention: Walter Volo

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



**Issued by:** Bill Giesbrecht, C.E.T.

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

## PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Division 1, Groups A,B,C,D, Explosion Proof, Temp. Code T6, Enclosure Type 4X

Class II, Class III, Division 1, Groups E,F,G, Dust Ingress Protected, Temp. Code T6, Enclosure Type 4X

264 IB-X-Y-AA-BB-CC-DD, 2600T Series Multivariable Field Indicator,

input rated 9 – 32Vdc max., output 4 -20mA; Enclosure Type 4X

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For



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#### Hazardous Locations

Class I, Division 2, Groups A,B,C,D, Non-Incendive, Temp. Code, T4, Ta=85oC; T5, Ta=40oC; T6, Ta=40oC – DH 3045; Enclosure Type 4X

Class II, Class III, Division 2, Groups F, G, Temp. Code, T4, Ta=85oC; T5, Ta=40oC; T6, Ta=40oC – DH 3045

264 IB-X-Y-AA-BB-CC-DD, 2600T Series Multivariable Field Indicator,

input rated 9 – 32Vdc max., output 4 -20mA; Enclosure Type 4X

2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

Class I, II, III, Division 1, Groups A,B,C,D,E,F,G Intrinsically Safe,

Class I, Zone 0 Ex ia IIC

Temperature Code T4, Ta=85oC; T5, Ta=40oC; T6, Ta=40oC – DH 3045; Entity

264 IB-X-Y-AA-BB-CC-DD, 2600T Series Multivariable Field Indicator,

input rated 9 – 32Vdc max., output 4 -20mA; Enclosure Type 4X

Maximum Entity parameters for Multivariable Field Indicators (“E4”CSA approval only)

VMAX = 24Vdc, IMAX = 250mA, PMAX = 1.2W, Ci ≤ 5nF, Li ≤ 20uH

VMAX = 17.5Vdc, IMAX = 380mA, PMAX = 5.32W, Ci ≤ 5nF, Li ≤ 10uH

Notes for 264 IB-X-Y-AA-BB-CC-DD, 2600T Series Multivariable Field Indicator:

Entity and Nonincendive Field Wiring Parameters: See control drawing DH 3045

Model Designation Suffixes:

X = Housing material and electrical connection: A,B,D,C,G,H,LN,M,R,S,T,V,U,Z

Y = Output/Additional options: F,3

AA = Electrical certification: E4 (CSA) (only for ½”NPT, M20x1.25mm, conduit/cable entry)

BB = Mounting bracket (shape and material): B1, B2

CC = Surge (only for unclassified location): S1

DD = Connector (only for unclassified location): U1, U2



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### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 0-M1991 - General Requirements - Canadian Electrical Code Part II.

CSA Standard C22.2 No. 0.4-M2004 - Bonding and Grounding of Electrical Equipment (Protective Grounding).

CSA Standard C22.2 No. 0.5-M1982 - Threaded Conduit Entries

CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations.

CSA Standard C22.2 No. 30-M1986 - Explosion-proof Enclosures for Use in Class I Hazardous Locations.

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures.

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

CSA Standard C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

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 E60079-0-00 - Electrical apparatus for explosive gas atmospheres. PART 0: General requirements.

CAN/CSA E60079-1-01 - Electrical apparatus for explosive gas atmospheres. PART 1: Construction and verification test of flameproof enclosures of electrical apparatus.

CAN/CSA E60079-11-02 - Electrical apparatus for explosive gas atmospheres. PART 11: Intrinsic safety "i".



## *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>
1714101	2006/01/27	Model 264IB-X-Y-AA-BB-CC-DD; Div. 1, Class I, Group ABCD Class II Group EFG; Div. 2, Class I, Group ABCD, Class II, Group FG, Class III; Explosion Proof, Non-incendive, Intrinsically Safe (Entity) Zone 0, Ex ia IIC

### **Supplement Notes**

This Report, 1714101, is supplemental to previous CSA Report 1174396 and Report 1390857, due to the similarity of assembly, construction and evaluation.