

Certificate of Compliance

Certificate: 1138768

Master Contract: 203012

Project: 1339747

Date Issued: July 12, 2002

Issued to: ABB Automation Products GmbH
SchillerstraBe 72
D-32425 Minden
GERMANY
Attention: Dr. Wolfgang Scholz


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



Issued by:


R. Wildish

Authorized by:


Nick Alfano
Operations Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div 2, Groups A, B, C and D:

Model 22/06-XX and 22/06-6X I/P converters and Model TZIM Positioner; input rated 4-20mA, 40V dc max;
Temp Coded T3C.

Note: These devices (ie. those Certified for Class I, only) are for installation in suitable enclosures as acceptable to the local authority having jurisdiction.



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

Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1:

Models 22/06-99, 22/06-99-X, 22/06-66, 22/06-67, 22/06-68, and 22/06-69. I/P converters; input rated 4-20mA, 40V dc max; Intrinsically safe when connected through one CSA Certified zener barrier, rated 32 Vmax, 400 ohms min; 30 Vmax, 330 ohms min.; 29.5 Vmax, 305 ohms min.; 28 Vmax, 270 ohms min; 25 Vmax, 200 ohms min; 22 Vmax, 150 ohms min; or 12 Vmax, 40 ohms min; when connected per ABB Connection Diagram 900842; Temp Coded T3C.

Class I, Div. 1, Groups C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1:

Models 22/06-99, 22/06-99-X, 22/06-66, 22/06-67, 22/06-68, and 22/06-69. I/P converters; input rated 4-20mA, 40V dc max; Intrinsically safe when connected through one CSA Certified zener barrier, rated 33 Vmax, 200 ohms min; 30 Vmax, 150 ohms min.; or 28 Vmax, 120 ohms min; when connected per ABB Connection Diagram 900842; Temp Coded T3C.

Class I, Div. 1, Groups A, B, C and D:

Model 22/06-XX and 22/06-6X I/P converters and Model TZIM Positioner; input rated 4-20mA, 40V dc max; Intrinsically safe when connected to one CSA Certified Zener barrier rated 32 Vmax, 400 ohms min; 30 Vmax, 330 ohms min.; 29.5 Vmax, 305 ohms min.; 28 Vmax, 270 ohms min; 25 Vmax, 200 ohms min; 22 Vmax, 150 ohms min; 12 Vmax, 40 ohms min; when connected per ABB Connection Diagram 900842; Temp Coded T3C.

Model TZIM Positioner; input rated 4-20mA, 40V dc max; Intrinsically safe when connected to one CSA Certified Zener barrier, rated 32 Vmax, 400 ohms min; 30 Vmax, 330 ohms min.; 29.5 Vmax, 305 ohms min.; 28 Vmax, 270 ohms min; 25 Vmax, 200 ohms min; 22 Vmax, 150 ohms min; 12 Vmax, 40 ohms min.; when connected per ABB Connection Diagram 900988; Temp Coded T3C.

Class I, Div. 1, Groups C and D:

Model 22/06-XX and 22/06-6X I/P converters and Model TZIM Positioner; input rated 4-20mA, 40V dc max; Intrinsically safe when connected to one CSA Certified Zener barrier, rated 33 Vmax, 200 ohms min; 30 Vmax, 150 ohms min.; or 28 Vmax, 120 ohms min; when connected per ABB Connection Diagram 900842; Temp Coded T3C.

Model TZIM Positioner; input rated 4-20mA, 40V dc max; Intrinsically safe when connected to one CSA Certified Zener barrier, rated 33 Vmax, 200 ohms min; 30 Vmax, 150 ohms min.; or 28 Vmax, 120 ohms min; when connected per ABB Connection Diagram 900988; Temp Coded T3C.

Note: These devices (ie. those Certified for Class I, only) are for installation in suitable enclosures as acceptable to the local authority having jurisdiction.

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APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CSA Std C22.2 No.	157-92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA Std C22.2 No.	213-M1987	-	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

MARKINGS

- CSA Monogram;
- Company name;
- Model number;
- Serial number;
- Electrical rating;
- Hazardous locations designation, and the words
- Maximum ambient;
- The symbol Exia;
- The words "INTRINSICALLY SAFE/SECURITE INTRINSEQUE"
- Reference to Installation Instructions
- Caution re Substitution of Components
- Caution re. Disconnection of Circuits
- Caution re keeping cover tight while circuits are live.



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

Project	Date	Description
1339747	July 12, 2002	Update to cover alternative construction of coil protection circuitry.
1138768	Jan. 12, 2001	Model 22/06 Series I/P converters and Model TZIM Positioner (Transfer of report LR 83572-2)