



Certificate of Compliance

Certificate: 1797320

Master Contract: 190113

Project: 1797320

Date Issued: 2006/08/10

Issued to: **ABB Automation Products GmbH**

Borsigstrasse 2
Alzenau, 63755
Germany
Attention: Mr. K. Zeiger

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



Issued by: Ron Wildish

Handwritten signature of Ron Wildish.

Authorized by: Patricia Pasemko, Operations
Manager

Handwritten signature of Patricia Pasemko.

PRODUCTS

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

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

Ex nL IIC T4:

Model HMI-Ex, Type A LCD Indicator; input rated 3 Vdc; nonincendive (terminal "JP1") with Entity input parameters of: $V_{max}/U_i = 9V$, $I_{max}/I_i = 65.2mA$, $P_{max}/P_i = 101 mW$, $C_i = 0.4 uF$, $L_i = 0 uH$; when installed per installation Dwg.214750; Temp. Code T4 @ Max Ambient 85 Deg C; T-Code T6 @ Max Ambient 60 Deg C.



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Note: Model HMI-Ex, Type A is an open type unit Certified as a component for use only in other equipment where the suitability of the combination is to be determined by the authority having jurisdiction.

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

Class I, Div. 1 & 2, Groups A, B, C and D:

Ex ia IIC T4:

Model HMI-Ex, Type A LCD Indicator; input rated 3 Vdc; intrinsically safe (terminal "JP1") with Entity input parameters of: $V_{max}/U_i = 9V$, $I_{max}/I_i = 65.2mA$, $P_{max}/P_i = 101 mW$, $C_i = 0.4 uF$, $L_i = 0 uH$; when installed per installation Dwg. 213749; T-Code T4 @ Max Ambient 85 Deg C; T-Code T6 @ Max Ambient 56 Deg C.

Note: Model HMI-Ex, Type A is an open type unit Certified as a component for use only in other equipment where the suitability of the combination is to be determined by the authority having jurisdiction.

APPLICABLE REQUIREMENTS

C22.2 No. 142-M1987 - Process Control Equipment

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

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

CAN/CSA-E60079-0:02 - Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements

CAN/CSA-E60079-11:02 - Electrical apparatus for explosive gas atmospheres -Part 11: Intrinsic Safety "i"

CAN/CSA-E60079-15:02 - Electrical apparatus for explosive gas atmospheres -Part 15: Type of Protection "n"



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1797320

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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
1797320	2006/08/10	Model HMI-Ex, Type A LCD Indicator for Hazardous Locations