CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1198909 (LR 108985) **Master Contract:** 187009

Project: 2130213 **Date Issued:** 2009/05/19

Issued to: **Relcom Inc.**

2221 Yew St
Forest Grove, OR 97116
USA
Attention: Mr. Mike Strauser

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

Issued by: Robert Bates

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

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

Class I Division 1 Groups A,B,C, and D (Temp Code T4); Ex ia IIC T4

"Megablock" connection blocks for Fieldbus systems Models FCS-MBT, FCS-MB2, FCS-MB4, FCS-MB8, FCS-MB10, FCS-MB12, F204, F208, F212 and F216; Ambient Temperature Range: -45°C to 70°C See Installation drawings 500-275 or 500-948 for Intrinsically Safe and FISCO installations. Entity Parameters as

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follows:

Intrinsically Safe:

Vmax, Ui = 24Vdc Imax, Ii = 250mA Pi = 1.2W Ci = 0ηF Li = 0mH

FISCO:

Vmax, Ui = 17.5Vdc Imax, Ii = 380mA Pi = 5.32W Ci = 0ηF Li = 0mH

CLASS 2258 02 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations

Class I Division 2 Groups A,B,C, and D (Temp Code T4); Ex nA IIC T4

"Megablock" Models F100, FCS-MB2, FCS-MB4, FCS-MB8, FCS-MB10, FCS-MB12, F118, F200–F203, F205–F207, F209–F211, and F213-F215. Rated at 32Vdc max, 1.5Amax, Maximum Ambient Temperature 70°C. See Installation drawing 500-275.

1) The following suffixes may also be used with these model numbers

T – Terminator included in the Megablock

SG – Spurguard. Spurguard circuits will prevent a short circuit on the spurs from bringing down the entire segment. (Applicable to Class I Division 2 Groups A,B, C, and D; Ex nA products only)

PC – Uses optional Spring Clamp Connector

PD – Uses optional Insulation Displacement Connector

Note: -T and –SG suffixes are only applicable to FCS-MB Series

2) Component part for installation within an enclosure which provides mechanical protection and provisions for conduit/cable entry, as described in drawings 500-275 or 500-948 where suitability of the final assembly is acceptable to the authority having jurisdiction.

3) The above model is classified as Equipment Class II, Pollution Degree 2, Installation Category II per CSA Std. 1010.1 and shall be installed in an enclosure rated min. IP40

APPLICABLE REQUIREMENTS

C22.2 No. 0 – M1982 General Requirements – Canadian Electrical Code Part II

CAN/CSA-C22.2 No.1010.1-92 (Reaffirmed1999) Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements instructions No.1; Amendment 2; February 1997

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CAN/CSA C22.2 No. 1010.1B-97 Amendment 2 to CAN/CSA C22.2 No. 1010.1 92, "Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements"

T.I.L. No. I-29 Additional Requirements for Process Control Equipment Certified to CSA Std. CAN/CSA C22.2 No. 1010.1-92

CAN/CSA C22.2 No. 157 – 92 (Reaffirmed 2006) Intrinsically Safe and Non-Incendive Equipment for use in Hazardous Locations

C22.2 No. 213 – M1987 (Reaffirmed 1999) Non-Incendive Electrical Equipment for use in Class I Division 2 Hazardous Locations

CAN/CSA – E60079-0-02 (Reaffirmed 2006) Electrical Apparatus for Explosive Gas Atmospheres. General Requirements.

CAN/CSA – E60079-11-02 (Reaffirmed 2006) Electrical Apparatus for Explosive Gas Atmospheres. Part 11: Intrinsic Safety “i” second edition

CAN/CSA – E60079-15-02 (Reaffirmed 2006) Electrical Apparatus for Explosive Gas Atmospheres. Electrical apparatus with type of protection “n”

CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1198909 **Master Contract:** 187009

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
2130213	2009/05/19	(EDM76: 1of2: CSA) Update report 1198909 to make requested corrections; assumes only a paperwork review.
2027497	2008/03/31	Update to report 1198909 to include correction to markings
1998719	2008/02/14	Update to report 1198909 to include updated markings
1749877	2006/02/16	Update to Project 1198909 to include 12 port Megablock.
1504706	2004/09/14	Update to Project 1198909 to include product revisions
1460367	2003/10/17	Update to 1198908 to include alternate terminator resistor to model FSC-MBT

History

1198909 - October 31, 2001 - Original Certification of “Megablock” Models FCS-MBT, FCS-MB4-SG, FCS-MB8-SG.

1289214 - February 28, 2002 - Update to 1198909 to delete Model Revisions, to add Model FCS-MB2, and to re-evaluate equipment to Std.’s CAN/CSA-C22.2 No. 1010.1 and 1010.1B

1198908 - June 24, 2002 - Update to 1198909 to include Intrinsically Safe, Entity certification.

1460367 - October 30, 2003 - Update to 1198909 to include alternate terminator resistor for Megablocks