



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

FBT-6-a Fieldbus Network Monitor

IS / I / 1 / ABCD / T4 Ta = +50°C - 501-353; Entity; FISCO

I / 0 / Ex ia IIC T4 Ta = +50°C - 501-353; Entity; FISCO

IPA / I / 2 / ABCD / T4 Ta = +50°C - 501-353; NIFW, FNICO

I / 2 / IIC / T4 Ta = 50°C - 501-353; NIFW, FNICO

a = PA or blank

Entity parameters

V_{max} = 24V

I_{max} = 250mA

C_i = 0

L_i = 0

P_i = 1.2W

V_{oc} = 0

I_{sc} = 0

FISCO parameters

V_{max} = 17.5V

I_{max} = See Table

P_i = 5.32W

C_i = 0

L_i = 0

V_{oc} = 0

I_{sc} = 0

Nonincendive Field Wiring parameters

V_{max} = 32V

C_i = 0

L_i = 0

V_{oc} = 0

I_{sc} = 0



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FNICO parameters

Vmax = 17.5V

I_{max} = See Table

C_i = 0

L_i = 0

Voc = 0

Isc = 0

	Division 1	Division 2
Groups A,B	183 mA	274 mA
Groups C, D	380 mA	570 mA

	Zone 0 and 1	Zone 2
Group IIC	183 mA	274 mA
Group IIB, IIA	380 mA	570 mA

Special conditions of use

1. *The USB connector shall only be connected to other apparatus when the FBT-6 is located in an unclassified location.*

Equipment Ratings:

Intrinsically safe for Class I, Division 1, Groups A,B,C,&D and Class I, Zone 0, Group IIC when used in accordance with the Entity and FISCO concepts and Control Drawing 501-353. Temperature Class T4 at an ambient of 50°C

Nonincendive for Class I, Division 2, Groups A, B, C, & D and Class I Zone 2 when used in accordance with the NIFW and FNICO concepts and Control Drawing 501-353. Temperature Class T4 at an ambient of 50°C.

FM Approved for:

Relcom Inc, 2221 Yew St, Forest Grove OR 97116



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

C22.2 No. 157	1992
C22.2 No. 213	1987
CAN/CSA-E79-0-95	1995
CAN/CSA-E79-11-95	1995

Original Project ID: 3028840

Approval Granted: March 8, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
Reissued	10/14/11		

FM Approvals LLC

Timothy Adam
Technical Team Manager

October 14, 2011
Date