



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

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

NI / 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

Vmax = 24V

I<sub>max</sub> = 250mA

C<sub>i</sub> = 0

L<sub>i</sub> = 0

P<sub>i</sub> = 1.2W

Voc = 0

Isc = 0

#### FISCO parameters

Vmax = 17.5V

I<sub>max</sub> = See Table

P<sub>i</sub> = 5.32W

C<sub>i</sub> = 0

L<sub>i</sub> = 0

Voc = 0

Isc = 0

#### Nonincendive Field Wiring parameters

Vmax = 32V

C<sub>i</sub> = 0

L<sub>i</sub> = 0

Voc = 0

Isc = 0

#### FNICO parameters

Vmax = 17.5V

I<sub>max</sub> = See Table

Ci = 0  
Li = 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

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

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	2005

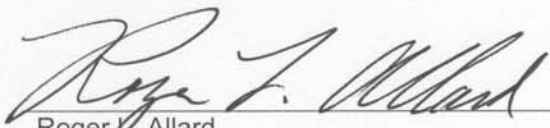
Original Project ID: 3023564

Approval Granted: October 26, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
061124	NOVEMBER 30, 2006		

FM Approvals LLC



Roger L. Allard  
Assistant Vice President

NOVEMBER 30, 2006  
Date