

# 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  
Imax = 250mA  
Ci = 0  
Li = 0  
Pi = 1.2W  
Voc = 0  
Isc = 0

FISCO parameters

Vmax = 17.5V  
Imax = See Table  
Pi = 5.32W  
Ci = 0  
Li = 0  
Voc = 0  
Isc = 0

Nonincendive Field Wiring parameters

Vmax = 32V  
Ci = 0  
Li = 0  
Voc = 0  
Isc = 0

FNICO parameters

Vmax = 17.5V  
Imax = See Table



Member of the FM Global Group

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	2010
Class 3611	2004
Class 3810	2005
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009

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		
100824	August 31, 2010		

FM Approvals LLC

  
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J. E. Marquardt  
Group Manager, Electrical

31 August 2010  
Date