FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment

IM1-aEx-b/c. Isolator Barrier.
AIS / I / 1 / ABCDEFG — IS-1.101; Entity*;
I / 0 / AEx [ia] / IIC — IS-1.101; Entity*;
NI / I / 2 / ABCD / T4 Ta = 70°C
*For Entity Parameters reference control drawings IS-1.101
a = Inputs/outputs: 12, 22, or 121.
b = Output type: R, T, or MT.
c = 24VDC or blank.
Special Condition of Use:
1. The Isolator Barrier shall be installed in a tool secured enclosure in compliance with the mounting, spacing and segregation requirements of the ultimate application.

IM12-22Ex-a/b. Isolator Barrier.
AIS / I / 1 / ABCDEFG — IS-1.101; Entity*;
I / 0 / AEx [ia] / IIC — IS-1.101; Entity*;
NI / I / 2 / ABCD / T4 Ta = 70°C
*For Entity Parameters reference control drawings IS-1.101
a = Output type: R, T, or MT.
b = 24VDC or blank.
Special Condition of Use:
1. The Isolator Barrier shall be installed in a tool secured enclosure in compliance with the mounting, spacing and segregation requirements of the ultimate application.

IM1-451Ex-a. Isolator Barrier.
AIS / I / 1 / ABCDEFG - IS-1.101; Entity*;
I / 0 / AEx [ia] / IIC - IS-1.101; Entity*;
NI / I / 2 / ABCD / T5 Ta = 70°C
*For Entity Parameters reference control drawings IS-1.101
a = Output type: R or T.
Special Condition of Use:
1. The Isolator Barrier shall be installed in a tool secured enclosure in compliance with the mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Associated Apparatus with Intrinsically Safe connections to a Class I, Division 1, Groups A, B, C, D, E, F, & G and connection to a Class I, Zone 0, Group IIC, IIB, IIA; indoor hazardous (classified) locations, in accordance with Control Drawing IS-1.101. Also as Nonincendive for use in a Class I, Division 2, Groups A, B, C, and D indoor hazardous (classified) locations. The equipment has a Temperature Class T4, Ta = 70°C

The apparatus shall be installed in a final enclosure in order to retain its safety approval.

FM Approved for:

TURCK Inc.
Plymouth, Minnesota 55441, USA

Plymouth MN 55441This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3810	2005
Class 3610	2010
Class 3611	2004
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3019329 Approval Granted: June 28, 2005

Subsequent Revision Reports / Date Approval Amended

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100714	August 4, 2010		
3042273	March 22, 2012		

FM Approvals LLC

Timothy Adam
Technical Team Manager

Mar. 22, 2012
Date