



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

IM1-aEx-b. Isolator Barrier.

AIS / I / 1 / ABCDEFG — 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. Isolator Barrier.

AIS / I / 1 / ABCDEFG — 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.



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IM1-451Ex-a. Isolator Barrier.

AIS / I / 1 / ABCDEFG — 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, II, & III, Division 1, Groups A, B, C, D, E, F, & G indoor hazardous 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 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, MN



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

CSA C22.2 No. 142	1987
CSA-C22.2 No. 157	1992
CSA C22.2 No. 213	1987

Original Project ID: 3024531C

Approval Granted: November 30, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
100714	August 4, 2010		
110811	<i>August 30, 2011</i>		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

30 August 2011
Date