

FM Approvals 1151 Boston Providence Turnpike P.O. Box 9102 Norwood, MA 02062 USA T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

# **CERTIFICATE OF COMPLIANCE**

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

## IM21-14Ex-CDTRi. Rotational Speed Monitor

AIS / I, II, III / 1 / ABCDEFG – IS-1.115; Entity\*; I / 0 / AEx [ia] / IIC – IS-1.115; Entity\*; NI / I / 2 / ABCD / T5; -25 °C  $\leq$  Ta  $\leq$  +70 °C \*For Entity Parameters reference Control Drawing IS-1.115

Special Conditions of Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

#### IM33-FSD-Ex/L. Fire and Smoke Detector Repeater

AIS / I, II, III / 1 / ABCDEFG – IS-1.115; Entity\*; I / 0 / AEx [ia] / IIC - IS-1.104; Entity\*; NI / I / 2 / ABCD / T5; -25 °C  $\leq$  Ta  $\leq$  +70 °C For Entity Parameters reference Control Drawing IS-1.104

Special Conditions of Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

Equipment Ratings:

Associated Apparatus with Intrinsically Safe connections to Class I, II & III, Division 1, Groups A, B, C, D, E, F & G and connection to Class I, Zone 0, Groups IIC, in accordance with the Control Drawing, and Nonincendive for use in Class I, Division 2, Groups A, B, C, and D Hazardous (Classified) Locations



Member of the FM Global Group

## FM Approved for:

Turck Inc. Plymouth, MN



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

 Class 3600
 1998

 Class 3610
 2007

 Class 3611
 2004

 Class 3810
 2005

Original Project ID: 3036717

Approval Granted: April 6, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number Date

Report Number

Date

**FM** Approvals LLC

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Group Manager, Electrical

Le April 2010

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# **CERTIFICATE OF COMPLIANCE**

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

### IM21-14Ex-CDTRi. Rotational Speed Monitor

AIS / I, II, III / 1 / ABCDEFG – IS-1.115; Entity\*; I / 0 / Ex [ia] / IIC – IS-1.115; Entity\*; NE / I / 2 / ABCD / T5; -25 °C < Ta < +70 °C \*For Entity Parameters reference Control Drawing IS-1.115

Special Conditions of Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

### IM33-FSD-Ex/L. Fire and Smoke Detector Repeater

AIS / I, II, III / 1 / ABCDEFG – IS-1.104; Entity\*; I / 0 / Ex [ia] / IIC – IS-1.104; Entity\*; NI / I / 2 / ABCD / T5; -25 °C < Ta < +70 °C For Entity Parameters reference Control Drawing IS-1.104

Special Conditions of Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

Equipment Ratings:

Associated Apparatus with Intrinsically Safe connections to Class I, II & III, Division 1, Groups A, B, C, D, E, F & G and connection to Class I, Zone 0, Groups IIC, in accordance with the Control Drawing, and Nonincendive for use in Class I, Division 2, Groups A, B, C, and D Hazardous (Classified) Locations

FM Approved for: Turck Inc. Plymouth, MN



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

CSA C22.2 No. 213 1987 CSA C22.2 No. 142 1987

Original Project ID: 3036717C

Approval Granted: April 6, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number Date Report Number Date

FM Approvals LLC

J./E. Marquedant Group Manager, Electrical

C April 2010 Date

