



FM Approvals
 1151 Boston Providence Turnpike
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Member of the FM Global Group

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

KFD2-RCI-Ex1. Isolator

NI/II/2/ABCD/T4, Ta = 60°C

AIS/I,II,III/1/ABCDEFG – 116-0335; Entity

Entity Parameters:

| Voc, Uo (V) | Isc, Io (mA) | Po (mW) | Group | Ca,Co (µF) | La, Lo (mH) | Lo/Ro (µH/Ω) |
|-----------------------|--------------|---------|-----------------|------------|-------------|--------------|
| Terminals: 1(+), 3(-) | | | | | | |
| 25.4 | 93.6 | 595 | A, B, IIC | 0.104 | 4.05 | 60 |
| | | | C, E, F, G, IIB | 0.81 | 16.2 | 240 |
| | | | D, IIA | 2.82 | 32.4 | 480 |

Special Condition of Use:

1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70)

Equipment Ratings:

Associated Intrinsically Safe (Entity) with connections for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; per control drawing 116-0335; Nonincendive for Class I, Division 2, Groups A, B, C and D, Temperature Class T4 Ta = -20°C to 60°C; Hazardous (Classified) Locations.

FM Approved for:

Pepperl+Fuchs Inc.
 Twinsburg, OH 44087



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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 |

Original Project ID: 3037174

Approval Granted: *May 28, 2010*

Subsequent Revision Reports / Date Approval Amended

| Report Number | Date | Report Number | Date |
|---------------|------|---------------|------|
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FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

28 May 2010
Date