



Member of the FM Global Group

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**RD0-FB-Ex4. FIELD BARRIER.**

NI / I / 2 / ABCD / T4, Ta = 70 °C; - 116-0266 Entity/FISCO

AIS / I,II,III / 1 / ABCDEFG; - 116-0266 Entity/FISCO

[ I / 0 ] AEx [ia] IIC; - 116-0266 Entity/FISCO

**Output Entity Parameters:**

Uo (Voc) = 15.75 V, Io (Isc) = 247.7 mA, Po = 975.34 mW

Class I, Zone 0, Group IIC Co (Ca) = 0.478 µF Lo (La) = 0.4 mH

Class I, Division 1, Groups A & B

Class I, Zone 0, Group IIB Co (Ca) = 2.88 µF Lo (La) = 2.5 mH

Class I & II, Division 1, Groups C & E

Class I, Zone 0, Group IIA Co (Ca) = 11.6 µF Lo (La) = 4.4 mH

Class I, II, III Division 1, Groups D, F, & G

*Special Condition for use - Field Barrier shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.*

**aD0-FB-EX4b. FIELD BARRIER.**

NI / I / 2 / ABCD / T4, Ta = 70 °C; - 116-0266 Entity/FISCO

AIS / I,II,III / 1 / ABCDEFG; - 116-0266 Entity/FISCO

[ I / 0 ] AEx [ia] IIC; - 116-0266 Entity/FISCO

Enclosure Types: NEMA 4X, IP54 (Enclosure option F2)

NEMA 4X (Enclosure option F6)

**Output Entity Parameters:**

Uo (Voc) = 15.75 V, Io (Isc) = 247.7 mA, Po = 975.34 mW

Class I, Zone 0, Group IIC Co (Ca) = 0.478 µF Lo (La) = 0.4 mH

Class I, Division 1, Groups A & B

Class I, Zone 0, Group IIB Co (Ca) = 2.88 µF Lo (La) = 2.5 mH

Class I & II, Division 1, Groups C & E

Class I, Zone 0, Group IIA Co (Ca) = 11.6 µF Lo (La) = 4.4 mH

Class I, II, III Division 1, Groups D, F, & G

**a = Enclosure type – F2 or F6**

**b = Connection type – CG, CGB, CGS, 7/8S, M12B or M12S**

*Special Condition for use – To maintain NEMA 4X and IP54 enclosure rating, Field Barrier shall be mounted on a solid plate or panel.*



## Equipment Ratings:

Suitable for Class I, Division 2, Groups A, B, C, and D with intrinsically safe connections for Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G and Class I, Zone 0, Group IIC, hazardous (classified) indoor (model RD0-FB-Ex4), NEMA 4X and IP54 outdoor (model F2D0-FB-EX4), and NEMA 4X (model F6D0-FB-EX4), locations

### Approved for:

Pepperl+Fuchs, Inc.  
Twinsburg, OH 44087-2245



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

Class 3600	1998
Class 3610	1999
Class 3611	1999
Class 3810	1989
Including Supplement 1	1995
NEMA 250	1991
ANSI/IEC 60529	2004

Original Project ID: 3015728

FM Approval Granted: January 14, 2004

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
050627	July 6, 2005		
051130	<i>DEC. 21, 2005</i>		

FM Approvals LLC

  
 Robert L. Martell, Jr.  
 Assistant Vice President

*DEC. 21, 2005*  
 Date