



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### **Module level E3a-bcde-fgh level transmitter**

IS/I, II, III/1/ABCDEFGH/T4 at Ta= \*°C; - 099-5069; Entity; - FISCO; IP66, Type 4X

Entity Parameters: Vmax = 28.6V, Imax = 140mA, Pmax = 1W, Ci = 5.5nF, Li = 9.4µH

FISCO Parameters: Vmax = 17.5 V, Imax = 500 mA, Pmax = 5.5 W, Ci = 5 nF, Li = 10 µH

- a = A, B, C, D, E, F, 1, 2, 3, 4, 5 or 6 (option for top or side mounting with Stainless Steel E-Tube material)
  - b = A, B, C, D, E, F, J, K, L, M, N, or P (Specific Gravity range and Temp Ext options)
  - c = A, E, F, G, H, K, P, Q, or R (process connection options)
  - d = 3, 4, 5, 6, 7, 8, K, L, M, or N (chamber pressure rating and classification)
  - e = A through I (sensing level range)
  - f = F, G, H, N, P, Q, 3, 8 or 9 (Indicating output communications circuit type and rating)
  - g = 1 through 8 (remote or integral mounting type and temperature option)
  - h = 5 through 8 (indicating IS type aluminum or stainless steel housing, and ¼ NPT or M20 conduit option)
- \* Ta= 80°C Entity, Ta= 60°C FISCO

### Specific Conditions of Use:

- 1 Process temperature must not increase ambient temperature of the electronics above 60°C for FISCO or 80 °C for Entity.

### **Module level E3a-bcde-fgh level transmitter**

NI I,II,III/2/ABCDEFGH/T4 at 80°C; IP66, Type 4X

XP //1/BCD/T5 Ta = -40°C to +80°C; IP66, Type 4X

DIP/II,III/1/EFG/T5 Ta = -40°C to +80°C; IP66, Type 4X

- a = A, B, C, D, E, F, 1, 2, 3, 4, 5 or 6 (option for top or side mounting with Stainless Steel E-Tube material)
- b = A, B, C, D, E, F, J, K, L, M, N, or P (Specific Gravity range and Temp Ext options)
- c = A, E, F, G, H, K, P, Q, or R (process connection options)
- d = 3, 4, 5, 6, 7, 8, K, L, M, or N (chamber pressure rating and classification)
- e = A through I (sensing level range)
- f = F, G, H, N, P, Q, 3, 8, or 9 (output communications circuit type and rating)
- g = 1 through 8 (remote or integral mounting type and temperature option)
- h = 1 through 4 (XP type aluminum or stainless steel housing, and ¼ NPT or M20 conduit option)

### Specific Conditions of Use:

1. Process temperature must not increase ambient temperature of the electronics above 80°C.

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

Class 3600	2011
Class 3610	2007
Class 3611	2004
Class 3615	2006
Class 3810	2005
ANSI/IEC 60529	2004
ANSI/NEMA 250	2003

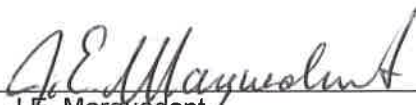
Original Project ID: 3032538

Approval Granted: December 12, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3035052	June 8, 2009		
3051708	July 24, 2014		
140722	September 2, 2014		

FM Approvals LLC

  
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J.E. Marquedant  
Manager, Electrical Systems

*2 September 2014*  
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Date