



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:

Logix 5aaaa-bb-cdefg-hjkl-mmm Digital Positioner.

IS / I / 1 / ABCD / T4 Ta = 85°C; Entity Drawing 198733

I / 0 / AEx ia IIC T4 Ta = 85°C; Entity Drawing 198733

NI / I / 2 / ABCD / T4 Ta = 85°C

Entity Parameters for Terminals T11-12

Ui = 30 V, Ii = 100 mA, Pi = 800 mW, Ci = 30 nF, Li = 0

Entity Parameters for Switch Terminals T1, 2, 3, 4, 5, 6: See drawing 198733.

aaaa = Communications 05si, 10si, 20SD, 20MD, 21MD, 22MD.

bb = Certifications 02 or 08.

c = Housing W, Y, B or A.

d = Threaded connections 1, 2, 3 or 4.

e = Feedback Shaft D or R.

f = Operating temperature S or E.

g = Language E, F or G.

h = Rotary indicator 0, F or D.

j = Special options 0, 5 or 9.

k = Add-in electronics 0 of F.

l = Limit switches 0, 1, 2, 3, 4, 5 or 6.

mmm = Mounting options (any three digit combination)

Equipment Ratings:

Intrinsically safe for Class I Division 1 Groups A, B, C and D; Intrinsically safe for Class I Zone 0 Group IIC indoor Hazardous (Classified) Locations meeting Entity requirements when installed in accordance with Control Drawing 198733. Temperature Classification T4 at an ambient of 85°C. Nonincendive for Class I Division 2 Groups A, B, C and D indoor Hazardous (Classified) Locations. Temperature Classification T4 at an ambient of 85°C.



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FM Approved for:

Flowserve US Inc. – Springville Operations
Springville, UT, United States of America

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

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3810	2005
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3016378

Approval Granted: February 17, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3020737	May 7, 2004		
070906	December 21, 2007		
110405	June 21, 2011		
3042176	December 8, 2011		
120406	April 20, 2012		

FM Approvals LLC

Timothy Adam
Technical Team Manager

April 20, 2012
Date