



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:

TaXI78bc-4def. Current to Electro-Pneumatic Transducer.

IS / I,II,III / 1 / CDEFG / T4 Ta = -40°C to 80°C - 21755; Entity; I/O/AEx ia IIB/ T4 Ta = -40°C to 80°C; 21755; Entity NI// I,II,III /2/ABCDEFG/T4 Ta = -40°C to 66°C; 21755; NIFW; Type 4X

Entity Parameters:

V_{max} = 28 V dc, I_{max} = 100 mA, P_i = 0.7W, C_i = 0, L_i = 0

Non-Incendive Field Wiring Parameters:

V_{max} = 30 V dc, I_{max} = 120 mA, C_i = 0, L_i = 0

a = Underwriting Group C or F.

b = Actuator version 0 or 5.

c = 0 or 1 (1 indicates a limited temperature range version from -23°C to 66°C). Identifier '0' indicates

Equipment Ratings:

Intrinsically Safe for use in Class I, II, III, Division 1, Groups C, D, E, F and G; with Entity Parameters per installation drawing 21755; or Non-Incendive for use in Class I, II, III Division 2 Groups A, B, C, D, E, F and G, with Non-Incendive Field Wiring Parameters per installation drawing 21755; indoor/outdoor Type 4X hazardous (Classified) locations.

FM Approved for:

Fairchild Industrial Products Company
Winston-Salem, NC 27103



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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
NEMA 250	1991

Original Project ID: 5Y5A1.AX

Approval Granted: March 18, 1995

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
950707	July 7, 1995		
950831	August 31, 1995		
5D2A8.AX	October 17, 1997		
5D2A8.AX	December 16, 1997		
980904	September 4, 1998		
3006452	December 17, 1999		
3008893	August 22, 2000		
010702	July 2, 2001		
030514	May 14, 2003		
070330	April 13, 2007		
080411	June 23, 2008		
3044662	March 27, 2012		

FM Approvals LLC



 Timothy Adam
 Technical Team Manager

March 27, 2012

 Date