



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:

FDY/a/4-20mA/b/c [d]. PC. Programmable Frequency-To-DC Transmitter.

IS/I,II,III/1/ABCDEFGH/T4 Ta = 60°C – 100-100-64; Entity; I/0/AEx ia IIC T4 Ta = 60°C – 100-100-64;
NI/I/2/ABCD/T4 Ta = 60°C; S/II/2/FG/T4 Ta = 60°C; S/III/2/T4 Ta = 60°C

Entity Parameters:

V_{max} = 30V, I_{max} = 110mA, C_i = 18nF, L_i = 0mH.

a = Input F1, F2, P1 or P2.

b = Voltage 12-30DC or 12-42DC.

c = Approval -ISF or blank.

d = Housing BH, D-Box, DN, FL, FLD, HP, HPDY, OTH, TW, VDN, WTH.

Special Conditions of Use:

1. The unit shall be installed in an enclosure meeting the requirements of ANSI/ISA S82.02.01 or other applicable ordinary location standards.
2. No connections shall be made to the communications "COM" port in Hazardous (Classified) Locations.
3. Maximum operating parameters of the "COM" port for use in Non-Hazardous areas shall not exceed 3.0V, 300mA and 240mW.
4. Approval of the Model FDY [HP] covers operation in the Class II, III, Division 2 hazardous location only when installed in a Nationally Recognized Test laboratory (NRTL) Approved dust-tight enclosure in accordance with the manufacturer's instructions.

Equipment Ratings:

Intrinsically Safe (Entity) for use in Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; Temperature Class T4 Ta = 60°C in accordance with Control Drawing No.100-100-64; Class I, Zone 0, AEx ia IIC T4 Ta = 60°C in accordance with Control Drawing No.100-100-64; Nonincendive for use in Class I, Division 2, Groups A, B, C and D; Temperature Class T4 Ta = 60°C; Suitable for use in Class II and III, Division 2, Groups F and G; Temperature Class T4 Ta = 60°C; indoor Hazardous (Classified) Locations.

FM Approved for:

Moore Industries International, Inc.
North Hills, CA 91343-6196 USA



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
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3012093

Approval Granted: November 19, 2001

Subsequent Revision Reports / Date Approval Amended

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3042210	November 15 2011		

FM Approvals LLC

Timothy Adam
Technical Team Manager

15 Nov 2011
Date