



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:

IPX2/a/b/c-d [e]. Current to Pressure Transmitter (Air).

IS/I,II,III/1/ABCDEFGH/T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C; – 100-100-65; Entity; I/0/AEx ia IIC T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C – 100-100-65; Entity; NI/II/2/ABCD/ T4 Ta = 80°C, T5 Ta = 70°C, T6 Ta = 55°C; S/III/2/FG/ T4 Ta = 80°C, T5 Ta = 70°C, T6 Ta = 55°C; S/III/2/ T4 Ta = 80°C, T5 Ta = 70°C, T6 Ta = 55°C; XP/II/1/ABCD T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C; DIP/II,III/1/EFG T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C; Type 4X; IP66

Entity Parameters:

Vmax = 30V, I_{max} = 110mA, P_i = 0.695W, C_i = 3nF, L_i = 1.14μH

a = Input: 4-20mA, 4-12mA, 12-20mA.

b = Output: 3-15PSIG, 15-3PSIG, 1-17PSIG, 17-1PSIG, 3-18PSIG, 18-3PSIG, 0-20PSIG, 20-0PSIG, 3-27PSIG, 27-3PSIG, 6-30PSIG, 30-6PSIG, 0.2-1BAR, 1-0.2BAR, 0.02-0.10MPA, 0.10-0.02MPA, 20-100KPA, 100-20KPA, 0.2-1KGCM2, 1-0.2KGCM2.

c = Supply Pressure: 20PSI, 22PSI, 23PSI, 25PSI, 32PSI, 32PSI, 35PSI, 1.4BAR, 0.14MPA, 140KPA, 1.4KGCM2.

d = Options: FR1, GA1, RO, VTD.

e = EXI, EXIM, EXIP, EXIMP.

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 = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C in accordance with Control Drawing No.100-100-65; Intrinsically safe (Entity) for use in Class I, Zone 0, AEx ia IIC T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C in accordance with Control Drawing No. 100-100-65; Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; Temperature Class T4 Ta = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C; Suitable for use in Class II and III, Division 2, Groups F and G; Temperature Class T4 Ta = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C; Explosionproof for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T4 Ta = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C; Dust- Ignitionproof for use in Class II and III, Division 1, Groups E, F and G; Temperature Class T4 Ta = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C; indoor and outdoor, Type 4X; IP56; Hazardous (Classified) Locations.



IPX2/a/b/c-d [e]. Current to Pressure Transmitter (Natural Gas).

IS/I,II,III/1/ABCDEFGH/T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C; – 100-100-65; Entity; I/O/AEx ia IIC T4
Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C – 100-100-65; Entity; XP/II/1/ABCD T4 Ta = 85°C, T5 Ta = 70°C,
T6 Ta = 55°C; DIP/II,III/1/EFG T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C; Type 4X; IP66

Entity Parameters:

Vmax = 30V, Imax = 110mA, Pi = 0.695W, Ci = 3nF, Li = 1.14µH

a = Input: 4-20mA, 4-12mA, 12-20mA.

b = Output: 3-15PSIG, 15-3PSIG, 1-17PSIG, 17-1PSIG, 3-18PSIG, 18-3PSIG, 0-20PSIG, 20-0PSIG, 3-27PSIG, 27-3PSIG, 6-30PSIG, 30-6PSIG, 0.2-1BAR, 1-0.2BAR, 0.02-0.10MPA, 0.10-0.02MPA, 20-100KPA, 100-20KPA, 0.2-1KGCM2, 1-0.2KGCM2.

c = Supply Pressure: 20PSI, 22PSI, 23PSI, 25PSI, 32PSI, 32PSI, 35PSI, 1.4BAR, 0.14MPA, 140KPA, 1.4KGCM2.

d = Options: FR1, GA1, NG1, NG2, RO.

e = EXI, EXIM, EXIP, EXIMP.

Special Conditions of Use:

1. The Model IPX2/a/b/c-NG1 [e] and the Model IPX2/a/b/c-NG2 [e] shall not be used with inlet pressures greater than 40psi or 2.8bar.
2. When Option d = FR1, only non-venting type filter regulators or filter regulators equipped with pipe-threaded venting ports shall be used.

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 = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C in accordance with Control Drawing No.100-100-65; Intrinsically safe (Entity) for use in Class I, Zone 0, AEx ia IIC T4 Ta = 85°C, T5 Ta = 70°C, T6 Ta = 55°C in accordance with Control Drawing No. 100-100-65; Explosionproof for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T4 Ta = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C; Dust- Ignitionproof for use in Class II and III, Division 1, Groups E, F and G; Temperature Class T4 Ta = 85°C; Temperature Class T5 Ta = 70°C; Temperature Class T6 Ta = 55°C; indoor and outdoor, Type 4X; IP66; Hazardous (Classified) Locations.

FM Approved for:

Moore Industries International
North Hills CA 91343 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	1999
Class 3611	1999
Class 3615	1989
Class 3810	1989
Supplement # 1	1995
ANSI/NEMA 250	1991

Original Project ID: 3017864

Approval Granted: June 16, 2004

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
050210	February 16, 2005		
070228	<i>MARCH 5, 2007</i>		

FM Approvals LLC

Roger K. Allard
Assistant Vice President

MARCH 5, 2007
Date