



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:

**Series DHabcd. Instrument Housing.**

XP / I / 1 / ABCD

DIP / II,III / 1 / EFG; Type 4X, IP66

a = Conduit hubs 2 or 3.

b = Type of conduit entry threads M, N, or T.

c = Cover type G or S (display side only).

d = Optional 2" stainless steel pipe-mount hardware kit P.

**THZ/PRG/4-20MA/12-42DC/[DHabcd]. Two-Wire Transmitters.**

XP / I / 1 / ABCD / T6 Ta = 40°C; T5 Ta = 85°C; DIP / II,III / 1 / EFG / T6 Ta = 40°C; T5 Ta = 85°C; Type 4X, IP66

a = Conduit hubs 2 or 3.

b = Type of conduit entry threads M, N, or T.

c = Cover type G or S (display only).

d = Optional 2" stainless steel pipe-mount hardware kit P.

**THZ/PRG/4-20MA/12-30DC/-ISF [DH]. Two-Wire Transmitter.**

IS / I,II,III / 1 / ABCDEFG / T4A Ta = 40°C; T4 Ta = 60°C - 100-100-58; Entity; I / 0 / AEx ia / IIC / T4 Ta = 60°C - 100-100-59;

NI / I / 2 / ABCD / T4A Ta = 40°C; T4 Ta = 60°C; S / II / 2 / FG / T4A Ta = 40°C; T4 Ta = 60°C; S / III / 2 / T4A Ta = 40°C; T4 Ta = 60°C

Entity Parameters:

$V_{Max} = 30\text{ V}$ ,  $I_{Max} = 110\text{ mA}$ ,  $C_i = 13\text{ nF}$ ,  $L_i = 0\text{ mH}$ .

**THZ/PRG/4-20MA/12-30DC/-ISF [DHabcd]. Two-Wire Transmitters.**

XP / I / 1 / ABCD / T6 Ta = 40°C; T5 Ta = 85°C; DIP / II,III / 1 / EFG / T6 Ta = 40°C; T5 Ta = 85°C; IS / I,II,III / 1 / ABCDEFG / T4A Ta = 40°C; T4 Ta = 60°C - 100-100-58; Entity; I / 0 / AEx ia / IIC T4 Ta = 60°C - 100-100-59; NI / I / 2 / ABCD / T4A Ta = 40°C; T4 Ta = 60°C; S / II / 2 / FG / T4A Ta = 40°C; T4 Ta = 60°C; S / III / 2 / T4A Ta = 40°C; T4 Ta = 60°C; Type 4X, IP66

Entity Parameters:

$V_{Max} = 30\text{ V}$ ,  $I_{Max} = 110\text{ mA}$ ,  $C_i = 13\text{ nF}$ ,  $L_i = 0\text{ mH}$ .

a = Conduit hubs 2 or 3.

b = Type of conduit entry threads M, N, or T.

c = Cover type G or S (display side).

d = Optional 2" stainless steel pipe-mount hardware kit P.



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Equipment Ratings:

Series "DH" Instrument Housings as a stand alone housing or for use with "THZ-DH" Two-Wire Transmitter as Intrinsically Safe (Entity) for use in Class I, II and III, Division 1, Groups A, B, C, D, E, F and G in accordance with Control Drawing No. 100-100-58; Class I, Zone 0, AEx ia IIC T4 Ta = 60°C in accordance with Control Drawing No. 100-100-58; Nonincendive for use in Class I, Division 2, Groups A, B, C, D; and suitable for use in Class II and III, Division 2, Groups F and G; Explosionproof for use in Class I, Division 1, Groups A, B, C and D; Dust-Ignitionproof for use in Class II and III, Division 1, Groups E, F, and G; Hazardous (Classified) Locations, indoor and outdoor, Type 4X and IP66.

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 3615	1989
Class 3810	2005
NEMA - 250	1991
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009
ANSI/IEC 60529	2004

Original Project ID: 3008005

Approval Granted: March 7, 2001

Subsequent Revision Reports / Date Approval Amended

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3042210	11/15/2011		

FM Approvals LLC

Timothy Adam  
Technical Team Manager

15 Nov. 2011  
Date