



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:

TS.a.b.c.d.e.f.g.h.i.j. Thermal Dispersion Flow/Level/Temperature Switch.

XP / I / 1 / ABCD / T3C Ta = 60°C

DIP / II, III / 1 / EFG / T3A Ta = 60°C; Type 4X

a = Housing: A1, A1W, A2, A2W, S2 or S2W.

b = Material type: S6 or EP.

c = Process connection: 1005 or 2005.

d = Insertion length: 18, 12 or CS (length in inches or millimeter: 1.2" / 30.5mm minimum, 240" maximum).

e = Power input: 1, 2 or 3.

f = Process temperature: H0.

g = Approvals: N2.

h = Dual switch point: X or DS.

i = Remote mount housing: X, RJ or RF.

j = Hermetic seal: X or HS.

TX.a.b.c.d.e.f.g.h.i.j.k.l.m. Thermal Dispersion Flow/Level/Temperature Switch.

XP / I / 1 / ABCD / T3C Ta = 60°C

DIP / II, III / 1 / EFG / T3A Ta = 60°C; Type 4X

a = Housing: A1, A1W, A2, A2W, S2 or S2W.

b = Material type: S6, HB, HC, AM, T2, T7 or A20.

c = Process connection:

Threaded Type 0750, 1000, 1250, 1500, 2000; or

Flanged Type consisting of any combination of AABC codes as follows:

AA = 10, 15, 20, 30, 40, 60 or Z9.

B = 1, 2, 3, 4, 5 or 9.

C = 1, 2, 3, 4 or 9.

d = Insertion length: 18, 12 or CS (length in inches or millimeter: 1.2" / 30.5mm minimum, 240" maximum).

e = Power input: 1, 2 or 3.

f = Process temperature: H0, H1 or H2.

g = Approvals: N2.

h = Dual switch point: X or DS.

i = Remote electronics: X, RJ0010, RJ0015, RJ0020, RJ0030, RJ0040, RJ0050, RJxxx, RF0010, RF0015, RF0020, RF0030, RF0040, RF0050, or RFxxx.

j = Flow options: X or HF.

k = High pressure: X or HP.

l = Packing gland: X, G1 or G2.

m = Hermetic seal: X or HS.

Equipment Ratings:

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; indoor and outdoor, Type 4X Hazardous (Classified) Locations.

FM Approved for:

ABB Inc
Prairieville, LA 70769 USA

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

Class 3600	2011
Class 3615	2006
Class 3810	2005
ANSI/NEMA 250	2003

Original Project ID: 3003931

Approval Granted: September 28, 2001

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3012269	October 24, 2001		
3013341	February 25, 2002		
3015898	December 26, 2002		
3017449	May 1, 2003		
3041174	November 11, 2010		
3053578	December 12, 2014		
141208	July 1, 2015		
3055508	September 9, 2015		
RR203242	November 25, 2015		

FM Approvals LLC



J.E. Marquedant
Manager, Electrical Systems

25 November 2015

Date