



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### **Ca-b-c-d-e-l-f Series Pressure & Temperature Switches**

IS / I, II, III / 1 / ABCDEFG / T6,  $-40\text{ }^{\circ}\text{C} < T_a < +80\text{ }^{\circ}\text{C}$ ; - 30.09.97; Entity; Type 4X

I / 0 / AEx ia IIC T6,  $-40\text{ }^{\circ}\text{C} < T_a < +80\text{ }^{\circ}\text{C}$ ; - 30.09.97; Entity; Type 4X

Entity Parameters:  $V_{max} = 90\text{ V}$ ,  $I_{max} = 3.3\text{ A}$ ,  $P_i = 40\text{ W}$ ,  $C_i = 0$ ,  $L_i = 0$ .

a = Electrical Conduit: 3, 4, or 9

b = Pressure / Temperature range: D302L, D304L, D306L, D309L, D352H, D354H, D356D, D356H, D358D, D359H, D402M, D404M, D406M, D408M, D506M, D508M, D608M, P301L, P302L, P304L, P306L, P308L, P402L, P402M, P404L, P404M, P406L, P406M, P408L, P408M, P502H, P502L, P502M, P504H, P504L, P504M, P506H, P506L, P506M, P508H, P508L, P508M, P578D, P706H, P706M, P708H, P708M, P709H, P808H, P809H, P904F, P904H, P906F, P906H, P908F, P908H, P909H, P918F, T528H, T548H, T568H, T588H, V301L, V304L, V404M, V406M or V506H.

c = Process Connection: A1B, A1N, A2B, A2N, A4B, A4B, A6B, A6N, A7B, A7N, A8B, A8N, B1B, B1N, B2B, B2N, B6B, B6N, B7B, B7N, B8B, B8N, BXB, BXX, C02, C03, C05, C10, CXX, D00, D02, DXX, H1B, H1N, H2B, H2N, H4B, H4N, H6B, H6N, H7B, H7N, HXX, M1B, M1N, M2B, M2N, M2X, M4B, M4N, M6B, M6N, M7B, M7N, MXX, P1B, P1N, P2B, P2N, P7B, P7N, PXN, S1B, S1N, S2B, S2N, S2P, S2X, S3B, S3N, S4B, S4N, S6B, S6N, S7B, S7G, S7N, S7X, S8B, S8N, SXB, SXN, SXX, X1B, X1N, X2B, X2N, XXN or XXX.

d = Process Seal: B1, E6, H1, H2, H3, H4, H5, H6, K5, MO, M1, M2, M5, N3, P1, P2, P4, P5, SO, S1, S2, S3, S4, S5, S6, SX, T1, T2, T3, 14, T5, V2, X2, X4, X5 or XX.

e = Switching Element: K1, K2, L1, L2, M1, M2, U1, U2, V1, G1, G2, Y1, Y2, O1, O2, N1, N2, Z1, Z2, SP, SR, SE, SG, OR SL.

f = Additional special options: B, C, M, V, or Y.

### Equipment Ratings:

Intrinsically Safe for Class I, II and III, Div. 1, Groups ABCDEFG; Class I, Zone 0, AEx ia IIC T6, Type 4X, Hazardous (Classified) Locations.

### FM Approved for:

BETA B.V.  
Verrijn, The Netherlands



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

Class 3600	1998
Class 3610	2007
Class 3618	2005
NEMA 250	2003

Original Project ID: 3031247

Approval Granted: August 5, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
110828	December 14, 2011		
120605	19 June 2012		

FM Approvals LLC

  
Richard P. Ferron  
Director, Asst Vice President

19 June 2012  
Date