



FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS 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 Stuartlaan 22  
2288 EI Rijswijk  
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

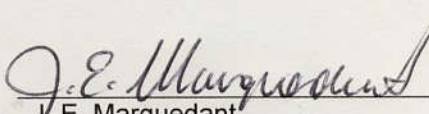
Original Project ID: 3031247

Approval Granted: *August 5, 2008*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J. E. Marquedant  
Group Manager, Electrical

*5 August 2008*  
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Date