

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**Model 3730-13-a. e/p-Positioner.**

IS / I, II, III / 1 / ABCDEFG / T6 Ta = 60 °C - Addendum to EB 8384-1EN, pages 5 - 8; Entity; Type 4X

I / 0 / AEx ia IIC / T6 Ta = 60 °C - Addendum to EB 8384-1EN, pages 5 - 8; Entity; Type 4X

NI / I / 2 / ABCD / T6 Ta = 60 °C; S / II, III / 2 / FG / T6 Ta = 60 °C; Type 4X

**Entity Parameters:**

**Signal Circuit:**

V<sub>max</sub> (U<sub>i</sub>) = 28 V, I<sub>max</sub> (I<sub>i</sub>) = 115 mA P<sub>max</sub> (P<sub>i</sub>) = 1 W, C<sub>i</sub> = 60 nF, L<sub>i</sub> = 0

**Limit Switches (Software):**

V<sub>max</sub> (U<sub>i</sub>) = 20 V, I<sub>max</sub> (I<sub>i</sub>) = 60 mA, P<sub>max</sub> (P<sub>i</sub>) = 250 mW, C<sub>i</sub> = 16 nF, L<sub>i</sub> = 0

**Inductive Limit Switch:**

V<sub>max</sub> (U<sub>i</sub>) = 16 V, I<sub>max</sub> (I<sub>i</sub>) = 25 mA, P<sub>max</sub> (P<sub>i</sub>) = 64 mW, C<sub>i</sub> = 30 nF, L<sub>i</sub> = 100 µH

V<sub>max</sub> (U<sub>i</sub>) = 16 V, I<sub>max</sub> (I<sub>i</sub>) = 52 mA, P<sub>max</sub> (P<sub>i</sub>) = 169 mW, C<sub>i</sub> = 30 nF, L<sub>i</sub> = 100 µH

a = Limit Switch: 0 (software limit switch) 0 or 1 (Inductive limit switch).

### Equipment Ratings:

Intrinsically safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; Class I, Zone 0, IIC in accordance with control drawing Addendum to EB 8384-1EN, pages 5 - 8; Non-incendive for Class I, Division 2, Groups A, B, C and D; Suitable for Class II, III, Division 2, Groups F and G indoor/outdoor Type 4X hazardous (Classified) Locations.

### FM Approved for:

Samson AG  
Frankfurt, Germany

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	2004
Class 3810	2005
NEMA - 250	1991

Original Project ID: 3023478

Approval Granted: June 21, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3034228	November 3, 2008		

FM Approvals LLC

  
J. E. Marquedant  
Group Manager, Electrical

3 November 2008  
Date