



FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**Model 3964-3. Pilot Valve with Model 1070-9 Position Indicator Module, Model 1079-27 e/p Binary Converter Coil or Model 1079-29 Solenoid Valve**

IS / I / 1 / ABCD / T6 Ta = 60°C - Addendum to EB 3964 EN, pages 3 & 4; Entity; Type 3R  
I / 0 / AEx ia IIC / T6 Ta = 60°C - Addendum to EB 3964 EN, pages 3 & 4; Entity; Type 3R  
NI / I / 2 / ABCD / T6 Ta = 60°C; Type 3R

Entity Parameters:

V<sub>max</sub> (U<sub>i</sub>) = 28V, I<sub>max</sub> (I<sub>i</sub>) = 115mA, P<sub>max</sub> (P<sub>i</sub>) = 0.25W, C<sub>i</sub> = 0, L<sub>i</sub> = 0  
Solenoid valve (nominal signal) 6VDC version P<sub>max</sub> (P<sub>i</sub>)=250mW  
Solenoid valve (nominal signal) 12VDC and 24VDC version P<sub>max</sub> (P<sub>i</sub>) not limited

### Equipment Ratings:

The apparatus was evaluated as intrinsically safe electrical apparatus with Entity requirements for use in Class I, II, III, Division 1, Groups A, B, C, D, F and G and alternatively for Class I, Zone 0, AEx ia IIC in accordance with manufacturing installation manuals; non incensive for Class I, Division 2, Groups A, B, C and D; suitable for Class II, Division 2, Groups F and G indoor/outdoor Type 3R hazardous (classified) Locations.

Approved for:

Samson AG  
Postfach 101901 D-60314 Frankfurt, Germany



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

Class 3600	1998
Class 3610	1999
Class 3611	1999
Class 3810 Supp No. 1	1995
ANSI/NEMA 250	1991

Original Project ID: 3020228

FM Approval Granted: *FEB. 28, 2005*

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
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FM Global Technologies LLC

  
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Robert L. Martell, Jr.  
Assistant Vice President  
FM Approvals

*FEB. 28, 2005*  
Date

