



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:

3966-230abc. Solenoid Valve.

XP/II/1/ABCD/T6 Ta = -50°C to +60°C; T5 Ta = -50°C to +70°C; T4 Ta = -50°C to +85°C
DIP/II,III/1/EFG/T6 Ta = -50°C to +60°C; T5 Ta = -50°C to +70°C; T4 Ta = -50°C to +85°C
I/1/AEx d/IIC/T6 Ta = -50°C to +60°C; T5 Ta = -50°C to +70°C; T4 Ta = -50°C to +85°C
Type 4X, IP66

a = Rated voltage 1, 2 3, 4, 5, 6 or 8.

b = Pneumatic characteristics (maximum of eight characters).

c = Field wiring entries 00 or 01.

Special Condition of Use:

Type 3966 Solenoid Valves marked with the 18 inch conduit seal requirement will be marked with a -55°C low ambient temperature.

Equipment Ratings:

Explosionproof for use in Class I, Division 1, Groups A, B, C and D; Dust-ignitionproof for use in Class II/III, Division 1, Groups E, F, and G and Flameproof for Class I, Zone 1, AEx d IIC hazardous (classified) locations, indoors and outdoors (Type 4X, IP66).

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 3615	2006
Class 3810	2005
ANSI/ISA-60079-0	2005
ANSI/ISA-60079-1	2005
ANSI/NEMA 250	2003
ANSI/IEC 60529	2004

Original Project ID: 3037211

Approval Granted: *March 8, 2011*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J.E. Marquedant

Group Manager, Electrical

8 March 2011

Date