



T R A N S L A T I O N

(1) **Statement of Conformity**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC**

(3) **EC Type Examination Certificate Number**

PTB 02 ATEX 2014 X

(4) **Equipment:** Model 3701-8.. Solenoid Valve

(5) **Manufacturer:** SAMSON AG Mess- und Regeltechnik

(6) **Address:** Weismüllerstr. 3, 60314 Frankfurt am Main, Germany

(7) The equipment and any acceptable variation thereof are specified in the schedule to this certificate and the documents referred to therein.

(8) The Physikalisch-Technische Bundesanstalt, notified body number 0102 according to Article 9 of the Council Directive 94/9/ of 23 March 1994, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres specified in Annex II to the Directive.

The examination and test results are recorded in confidential report.

PTB Ex 02-21476

(9) The essential health and safety requirements are satisfied by compliance with

EN 50021: 1999

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use as specified in the schedule to this certificate.

(11) In compliance with the Directive 94/9/EC this Statement of Conformity relates only to the design and construction of the equipment specified. Further requirements of this Directive apply to manufacture and marketing of this equipment.

(12) The marking of the equipment shall include the following:



Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 07 March 2002

(Signature)

(Seal)

Dr. Ing. U. Johannsmeyer
Regierungsdirketor

Statements of Conformity without signature and seal are invalid.

This Statement of Conformity may be reproduced only in its entirety without any changes.
Extracts or changes shall require the prior approval of the Physikalisch-Technische Bundesanstalt.

Physikalisch-Technische Bundesanstalt Bundesallee 100 D-38116 Braunschweig

(13) **S c h e d u l e**

(14) **Statement of Conformity PTB 02 ATEX 2014 X**

(15) **Description of Equipment**

The Model 3701-8.. Solenoid Valve converts electrical binary signals in the input circuit into pneumatic output signals. The Main component of the solenoid valve is the Model 1079-27 . . e/p-Binary Converter Coil which is suitable for nominal voltages of 6V, 12V and 24V.

The device is intended for use inside and outside of hazardous areas.

The correlation between version and temperature classification is shown in the table below:

Version U_N	6V	12 V	24 V
Temperatur class	T6	60°C	
	T5	-45°C . . .70°C	
	T4	80°C	

(16) **Test report PTB Ex 02-21476**

(17) **Special conditions for safe use**

1. The Model 3701-8.. Solenoid valve shall be installed in an enclosure providing at least Degree of Protection IP 54 according to IEC Publication 60529:1989.
2. The wiring shall be connected in such a manner that the connection facilities are not subjected to tensile and/or torsional stress.

(18) **Basic health and safety requirements**

In compliance with the standard specified above.

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig,

(Signature) (seal)

Dr. Ing. U. Johannsmeyer
Regierungsdirektor

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Physikalisch-Technische Bundesanstalt Bundesallee 100 D-38116 Braunschweig

ADDENDUM No. 1

to the Statement of Conformity PTB 02 ATEX 2014X

Equipment: Model 3701-8... Solenoid Valve

Marking:  II 3G EEx nA II T6

Manufacturer: SAMSON AG Mess- und Regeltechnik

Address: Weismüllerstr. 3
60314 Frankfurt am Main


Description of the additions and modifications

The Model 3701-8 ... Solenoid Valve is permitted to be manufactured in future also in compliance with the certification documents specified in the test report.

For use in Category 3 the solenoid valve satisfies the requirements for EN 50021-1-1999 Claus 13 a), b) and c) for low-energy instruments and equipment.

Furthermore, the Model 3701-8 .. Solenoid Valve satisfies the requirements for electrical equipment with protection provided by enclosures in compliance with EN 50281-1-1:1998.

According to the standards quoted, the Model 3701-8.. Solenoid Valve shall be provided in addition with the following marking:

 II 3 G EEx nL IIC T6
II 3 D IP 65 T 80 °C

The electrical data, the special conditions and all the other particulars shall apply unchanged also to the Addendum No. 1.

Applicable standards

EN 50021:1989

EN 50281-1-1:1998

Test report : PTB Ex 06-25370

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 22. February 2006

(Signature) (Seal)

Dr. Ing. U. Johannsmeyer

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Director and Professor

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