



**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 06 ATEX 2003 X**

(4) Equipment: Model 3965-8. .Solenoid Operated Valve Block

(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 06-26021**

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

**EN 50021: 1999**

**EN 50281-1-1:1998**

(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.

Statements of conformity without signature and seal are invalid.  
This Statement of conformity may be reproduced only in its entirety and without any changes, schedule.  
Extracts or changes shall require the prior approval of the Physikalisch-Technische Bundesanstalt.

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



II 3G EEx nA II T6 or. II 3G EEx nL IIC T6  
II 3D IP 54 T 80 C or. II 3D IP 65 T 80 C

Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig, 22. February 2006

(Signature)

(Seal)

Dr. Ing. U. Johannsmeyer  
Regierungsdirektor

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

(14) **Statement of Conformity PTB 06 ATEX 2003 X**

(15) **Description of Equipment**

The Model 3965-8... Solenoid Operated Valve Block serves for converting electrical binary signals into pneumatic output signals.

It is used in hazardous locations.

The correlation between version, temperature classification, permissible ambient temperature ranges and maximum power dissipation is show in the table below:

Version	UN	6V	12V	24V
Temperature class	T6	60 °C		
	T5	-45 °C ..... 70 °C		
	T4	80 °C		
Characteristic linear or rectangular	Pi	250mW	No limitations	

**Electrical data**

Input circuits ..... Type of protection EEx nA II  
or EEx nL IIC

Maximum values:

$U_i = 32 \text{ V}$

$I_i = 132 \text{ mA}$

$C_i$  negligible

$L_i$  negligible

(16) Test report **PTB Ex 06-26021**

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

- a) Under normal operating conditions the input circuits provided with type of protection EEx nA II are permitted to be connected, disconnected or switched on/off while live only during installation, maintenance and repair work.
- b) The input circuits provided with type of protection EEx nL IIC are permitted to be switched on/off in normal operation.

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- c) When the Model 3965-8... Solenoid Operated Valve Block is to be used in hazardous locations where conductive dusts according to EN 50281-1-1:1998 are present, it shall be mounted in an additional enclosure or steel or stainless steel resp. or of plastic. Evidence shall be furnished that the enclosure inclusive of its connection facilities and bushings comply with Degree of Protection IP65 according to IEC 60529.
- d) When the solenoid operated valve block is to be mounted in a plastic enclosure, the enclosure made by Messrs. Rittal certified under PTB 03 ATEX 1011 U usually be used.

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

In compliance with the standard specified above.

Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig, 22. February 2006

(Signature)                      (seal)

Dr. Ing. U. Johannsmeyer  
Regierungsdirektor

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## **ADDENDUM No. 1**

### **to the Statement of Conformity PTB 05 ATEX 2003 X**

Equipment: Model 3965-8 .. Solenoid valve Island

Marking:  **II 3 G EEx nA II T6 or II 3 D EEx nL IIC T6 resp.  
II 3 D IP 54 T 80°C or II 3 D IP 65 T 80°C resp.**

Manufacturer: SAMSON AG, Mess- und Regeltechnik

Address: Weismüllerstrasse 3  
60314 Frankfurt am Main, Germany

#### **Description of the additions and modifications**

The subject of this Addendum is the assessment of the Model 3965-8 .... Solenoid Valve Island with respect to the requirements of the standard series EN 60079 and EN 61241.

The interrelationship between execution, temperature classification, permissible ambient temperature ranges and maximum power dissipation, the special conditions, the notes on manufactures and operation and all the other data contained in the Statement of Conformity apply unaltered also to this Addendum No. 1.

The marking of the equipment is permitted to comply in the future with the standards specified below.

#### **Standards applied:**

**EN 60079-0:2004**

**EN 60079-15:2003**

**EN 61241-0:2004**

**EN 61241-1:2004**

Marking:  **II 3 G Ex nA II T6 or II 3 G Ex nL IIC T6 resp.  
II 3 tD A21 IP 54 T 80°C or II 3 D Ex tD A21 IP 65 T 80°C resp.**

Test report: **PTB Ex 07-27126**

Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig, 16. August 2007

(Signature)

Dr.-Ing. U. Johannsmeyer  
Director and Professor

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