



## **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 03 ATEX 2182 X**

- (4) **Equipment:** Model 3768-8 Limit Switch
- (5) **Manufacturer:** SAMSON AG
- (6) **Address:** Weismüllerstr. 3, D-60314 Frankfurt, Germany
- (7) This equipment and any acceptable variation therefor are specified in the schedule to this certificate and the documents referred to therein.
- (8) The Physikalisch-Technische Bundesanstalt, notified body number 0102 in accordance with Article 9 of the Council Directive 94/9/EC 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 given in Annex II to the Directive.

The examination and test results are recorded in confidential report

### **PTB Ex 03-23303**

- (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 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, 30 September 2003

(Signature)

(Seal)

Dr. Ing. U. Johannsmeyer  
Regierungsdirketor

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

(14) **Statement of Conformity PTB 03 ATEX 2182 X**

(15) **Description of Equipment**

The Model 3768-8... Limit Switch is suitable for attachment to rotary actuators according to VDE/VDI 3845 and intergral attachment to Model 3277 Linear Actuators with concealed lever sytem.

There are verious versions of device with proximity switches and a low-power solenoid valve.

For instrument air non-combustible media are used.

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

The correlation between temperature classification and permissible ambient temperature ranges is shown in the table below:

<b>Temperature class</b>	<b>Permissible ambient temperature range</b>
<b>T6</b>	<b>-45°C . . . 60°C</b>
<b>T5</b>	<b>-45°C . . . 70°C</b>
<b>T4</b>	<b>-45°C . . . 80°C</b>

**Electrical data**

Inductive proximity switch  
(terminals 41/42, 51/52)

Type of protection: EEx nA II

Solenoid valve module

Type of protection: EEx nA II

(16) Test report: **PTB Ex 03-23303**

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

The limit switch shall be mounted in an enclosure providing at least Degree of Protection IP 54 in compliance with the IEC Publication 60529.

This requirement applies also to the cable entries and/or connectors.



The wiring shall be connected in such a manner that the connection facilities are not subjected to pull and twisting.

**Schedule of the Statement of Conformity**

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

Are satisfied by compliance with the standard specified above.

Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig, 30 September 2003

(Signature)                      (seal)

Dr. Ing. U. Johannsmeyer