



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 2007 X

(4) Equipment: Model 3776-8 Limit Switch

(5) Manufacturer: SAMSON AG Mess- und Regeltechnik

(6) Address: Weismüllerstr. 3, D-60314 Frankfurt, Germany

(7) This equipment and any acceptable variation therefore 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 02-21203**.

(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.

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Extracts or changes shall require the prior approval of the Physikalisch-Technische Bundesanstalt.

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



Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 07. März 2002

(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 02 ATEX 2007 X**

(15) **Description of Equipment**

The Model 3776-8... Limit Switches are suitable for attachment to rotary actuators complying with VDE/DIN 3845 and for integral attachment to Model 3277 Linear Actuators with covered lever system. Dependent on the version, they are equipped with limit contacts of different design and with low-power solenoid valves.

The electrical connection is made by plug connectors or cable entries..

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

Version U _N		6V	12 V	24 V
Temperature class	T6	60°C		
	T5	-45°C . . .70°C		
	T4	80°C		

Electrical data

Versions:

- a.) With dual inductive proximity switch:
 Contact circuit
 (terminals 41/42, 51/52) Type of protection EEx nA II
- b.) With inductive limit switch:
 Contact circuit
 (terminals 41/42, 45/46 and 51/52) Type of protection EEx nA II
- c.) With electrical limit switch:
 Contact circuit
 (terminals 41/42/43, 44/45/46 and 51/52/53) Type of protection EEx nA II
- d.) With solenoid valve module:
 Contact circuit
 (terminals 81/82, 83/84) Type of protection EEx nA II

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Schedule of the Statement of Conformity PTB 02 ATEX 2007 X

(16) **Test report PTB Ex 02-21203**

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

The Model 3776-8 . . . Limit Switch shall be installed in an enclosure providing at least Degree of Protection IP 54 in compliance with the IEC Publication 60529:1989

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**

Are satisfied by compliance with the standard specified.

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 07 März 2002

(Signature) (seal)

Dr. Ing. U. Johannsmeyer

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