



T R A N S L A T I O N



Statement of Conformity

- (1)
- (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 2012 X

- (4) Equipment: Model 4746-8 . . . Limit Switch
- (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 02-21299**

- (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:



II 3 G EEx nA II T6

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 05.April 2002

(Signature)
Dr. Ing. U. Klausmeyer
Regierungsdirektor

(Seal)

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.

(13)

S c h e d u l e

(14)

Statement of Conformity PTB 02 ATEX 2012 X

(15) **Description of Equipment**

The Model 4746-8 . . . Limit Switch servers for converting mechanical manipulated variables into electrical signals. It is intended for attachment to pneumatic, electrical or hydraulic actuators.

The device is intended for use inside and outside of Category 3 hazardous locations.

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

Temperature class	Ambient temperature range
T5	-45°C . . . +70°C
T6	-45°C . . . +60°C
T4	-45°C . . . +80°C

Electrical data

Versions:

With inductive proximity switch
Contact circuit
(terminals 41/42, 51/52)

Type of protection EEx nA II

a.) With electrical proximity switch
Contact circuit
(terminals 41/42/43, 44/45/46,
51/52/53)

Type of protection EEx nA II

(16) **Test report PTB Ex 02-21299**

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

The Modell 4746-8 . . . Limit Switch shall be installed in an enclosure providing at least Degree of Protection IP 54 in compliance with IEC Publication 60529:1989.

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

Schedule to the Statement of Conformity PTB 02 ATEX 2012 X

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

Are satisfied by compliance with the standard specified..

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 05. April 2002

(Signature)

(seal)

Dr. Ing. U. Klausmeyer
Regierungsdirektor

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.

Physikalisch-Technische Bundesanstalt., Bundesallee 100, D-38116 Braunschweig