



(1) **EC-TYPE-EXAMINATION CERTIFICATE**
(Translation)

(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 1103 X

(4) Equipment: Pressure-operated switch, type 165*

(5) Manufacturer: SUCO-Robert Scheuffele GmbH Co. KG

(6) Address: Keplerstraße 12 - 14, 74321 Bietigheim-Bissingen, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 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 the confidential report PTB Ex 02-12281.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997 + A1 + A2

EN 50018:2000

(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) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 **II 2 G EEx d IIC T6 or T5**

Zertifizierungsstelle Explosionsschutz

Braunschweig, October 15, 2002

By order:


Dr.-Ing. U. Klausmeyer
Regierungsdirektor



SCHEDULE

(13)

(14) EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 1103 X

(15) Description of equipment

The type 165* pressure-operated switch, type of protection Flameproof Enclosure "d", is used as a control switch in signal and control circuits. Connection is by means of a non-detachable cable.

Technical data

Operating voltageup to 230 V

Rated currentmax. 1 A

Ambient temperature range -20 °C to +70 °C, temperature class T6

-20 °C to +80 °C, temperature class T5

(16) Test report PTB Ex 02-12281

(17) Special conditions for safe use



The connecting lead (open ended line) of the pressure-operated switch shall be installed to provide for permanent wiring and adequate protection against mechanical damage.

(18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the pressure-operated switch of type 165* meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz

By order:



Dr.-Ing. U. Klausmeyer
Regierungsdirektor

Braunschweig, October 15, 2002