



(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 10 ATEX 1026

(4) Equipment: Pressure switch, type Pressostat Ex.....,

(5) Manufacturer: thuba AG

(6) Address: Blauensteinerstr. 16, CH-4015 Basel, Switzerland

(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 assessment and test report PTB Ex 10-19246.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2006, EN 60079-1:2007, EN 60079-7:2007, EN 61241-0:2006, EN 61241-1:2004

(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 Ex d e IIC T6

II 2 D Ex tD A21 IP66 T 80°C

Zertifizierungssektor Explosionsschutz

Braunschweig, June 30, 2010

By order:

Dr.-Ing. M. Thedens
Oberregierungsrat



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EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 10 ATEX 1026**

(15) Description of equipment

The Pressostat Ex..... pressure switch consists of a microswitch designed to Flameproof Enclosure "d" type of protection and a terminal that is housed in an aluminium enclosure of Increased Safety "e" type of protection. 'Ex' cable glands are used for connection. All installed and attached components are tested and certified with a separate examination certificate.

Technical data:

Ratings		
Voltage	Current	
	Ohmic load	Inductive load
up to 250 V AC	max. 5.00 A	max. 5.00 A
up to 250 V DC	max. 0.25 A	max. 0.03 A
up to 30 V DC	max. 5.00 A	max. 3.00 A

Provided the making and breaking capacities are met, rated values other than those specified above, however complying with the relevant regulations, are acceptable and have to be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

Conductor size max. 1.5 mm²

Ambient temperatures: -50 °C to +65 °C

Protection against solid foreign objects, water and contact IP66 in accordance with EN 60529

(16) Assessment and Test Report PTB Ex 10-19246

(17) Special conditions for safe use

No conditions

Notes for manufacturing and operation

The EC Type Examination Certificate and its future supplements are at the same time supplements for EC Type Examination Certificate PTB 02 ATEX 1050.

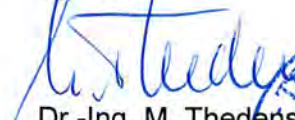
(18) Essential health and safety requirements

Met by compliance with the afore-mentioned Standards.

Zertifizierungssektor Explosionsschutz

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