



(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 09 ATEX 1027**

(4) Equipment: Temperature controller & safety temperature limiter, type KT...

(5) Manufacturer: thuba AG

(6) Address: Blauensteinerstr. 16, 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 09-17167.

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

**EN 60079-0:2006**

**EN 60079-1:2004**

**EN 60079-7:2003**

**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 de IIC T6**

 **II 2 D Ex tD A21 IP65 T80**

Zertifizierungssektor Explosionsschutz

Braunschweig, March 23, 2009

By order:

  
Dr.-Ing. U. Klausmeyer  
Direktor und Professor

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(13)

## SCHEDULE

(14)

### EC-TYPE-EXAMINATION CERTIFICATE PTB 09 ATEX 1027

(15) Description of equipment

Temperature controller and safety temperature limiter, type KT...

Technical data

Rated voltage*	250 V	420 V
Rated current *	5 A	16 A
Ambient temperature **	-50 (-30) ... +60 °C	

\* Subject to the installed switch; provided the making and breaking capacities are met, rated values other than those specified however complying with the relevant regulations are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

\*\* Subject to factors such as rated current, self-heating rate, thermal conduction, components / elements used.

(16) Assessment and test report PTB Ex 09-17167

(17) Special conditions for safe use

None

Notes for manufacturing and operation

The temperature resistance of the connecting cable must be observed.

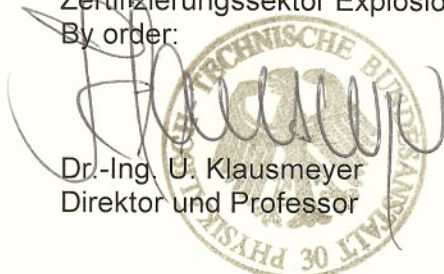
(18) Essential health and safety requirements

Met by compliance with the above-mentioned Standards.

Zertifizierungssektor Explosionsschutz

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