



## (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 08 ATEX 1073**

(4) Equipment: Explosion-protected cable reel with socket outlet, type .CAB 5.. ....

(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 report PTB Ex 08-18219.

(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**

(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**

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 1, 2008

By order:

Dr.-Ing. M. Thedens  
Oberregierungsrat



(13) **SCHEDULE**(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1073**(15) Description of equipment

The explosion-protected cable reel with socket outlet, type . CAB 5.. .... , consists of a stainless-steel body designed to Increased Safety "e" type of protection, which accommodates the - separately certified - flanged socket outlets of Flameproof Enclosure "d" type of protection, and a - separately certified - 'Ex' cable gland.

Technical data

Rated voltage: ..... up to 690 V  
 Rated current: ..... max. 32 A  
 Rated cross section ..... max. 6 mm<sup>2</sup>

Ambient temperature range: -20 °C to +55 °C

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards the manufacturer specifies the final rated values.

(16) Test Report PTB Ex 08-18219(17) Special conditions for safe use

None

Notes for manufacturing and operation

To prevent unacceptable heating, the cable must be fully unwound when the cable reel is in use.

The EC Type Examination Certificate and any future supplements thereto shall at the same time be regarded as supplements for EC Type Examination Certificate PTB 01 ATEX 1116.

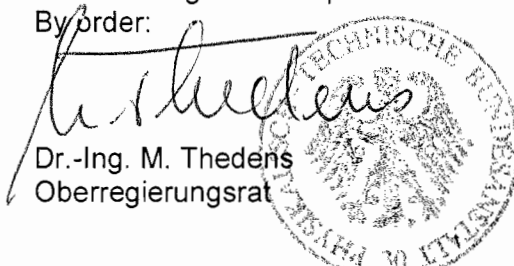
(18) Essential health and safety requirements

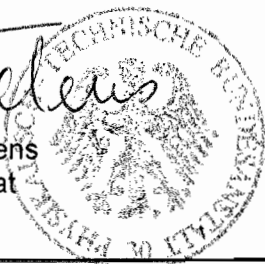
Met by compliance with the afore-mentioned Standards.

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 1, 2008

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