



(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 11 ATEX 1034 X

(4) Equipment: Three-phase motor, type 5 KTC 250

(5) Manufacturer: BARTEC - VARNOST d.o.o.

(6) Address: Cesta 9, Avgusta 59, 1014 Zagorje ob Savi, Slovenia

(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 test report PTB Ex 11-10116.

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

EN 60079-0:2009

EN 60079-1:2007

EN 60079-7:2007

(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.

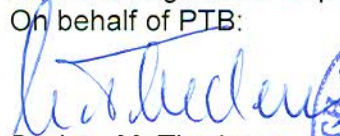
(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 **II 2 G Ex d IIC T4 Gb resp. Ex d e IIC T4 Gb**

Zertifizierungssektor Explosionsschutz

On behalf of PTB:


Dr.-Ing. M. Thedens
Oberregierungsrat



Braunschweig, March 15, 2012

SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 11 ATEX 1034 X**

(15) Description of equipment

The motor enclosure is designed to Flameproof Enclosure "d" type of protection for gas atmospheres. The grey cast iron enclosure is delimited on both sides by the end shields. The shaft rotates in rolling bearings. Together with the end shields it forms the flameproof shaft joints on the drive and the non-drive end.

A terminal compartment of Flameproof Enclosure "d" or Increased Safety "e" is used for connection. For electric power input into the motor compartment, separately certified cable glands or conductor bushings are used.

The maximum permissible ambient temperatures are -50 °C to 60 °C. Motors equipped with an increased safety terminal box have a limited temperature range of -25 °C up to 60 °C. These temperature ranges may be limited as a result of the selected terminal boxes and components, or with the data sheet for the electrical ratings.

The electrical motor data, including the specifications for compliance with the temperature class, are defined in a data sheet that is attached to the EC-Type-Examination Certificate.

(16) Test report PTB Ex 11-10116

(17) Special conditions for safe use

Repairs on flameproof joints may only be performed in accordance with the manufacturer's design specifications. Repair on the basis of the values in tables 1 and 2 of EN 60079-1 is not permissible.

Additional notes for safe operation

The screws used for delimitation of the flameproof enclosure must as a minimum comply with strength class 8.8.

Components mounted or installed (e.g. terminal compartments, bushings, cable glands, connectors) must be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions and have a separate EC-Type-Examination certificate. The special conditions specified for the components must be complied with.

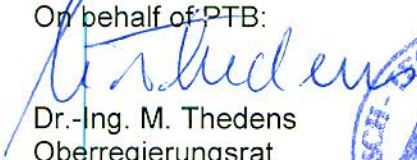
(18) Essential health and safety requirements

Met by compliance with the above mentioned standards.

Zertifizierungssektor Explosionsschutz

Braunschweig, March 15, 2012

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