Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

(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 07 ATEX 1036 X

(4) Equipment: Three-phase motor 4KTC 63.

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

(6) Address: Cesta 9, Avgusta 59, 1410 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 report PTB Ex 07-16336.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2004   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:

⟨Ex⟩   II 2 G   Ex d IIC T4 and Ex de IIC T4

Zertifizierungsstelle Explosionsschutz   Braunschweig, September 12, 2007
By order:

Dr.-Ing. M. Thedens
Oberregierungsrat

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(13)   # S C H E D U L E

(14)   **EC-TYPE-EXAMINATION CERTIFICATE PTB 07 ATEX 1036 X**

(15)   Description of equipment

The operator is an electric motor designed to Flameproof Enclosure "d" type of protection. The enclosure is made from grey cast iron and is closed at its non-drive end by an end shield. The shaft rotates in rolling bearings. Together with the enclosure / the end shield it forms flameproof shaft joints.

The motor is connected by means of a terminal compartment designed to Increased Safety "e" or Flameproof Enclosure "d" type of protection or by means direct flameproof cable entry. Electric energy is transmitted into the motor compartment by means of conductor bushings.

The admissible ambient temperature range is -20 °C to 60 °C. This temperature range can be limited by the terminal boxes or components selected or the data sheet for the electrical design.

The electrical motor data as well as the specifications for compliance with the temperature class are shown in a data sheet forming part of the EC type-examination certificate.

(16)   Report PTB Ex 07-16336

(17)   Special conditions for safe use

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN 60079-1.

Additional notes for safe operation:

Any components attached or installed (terminal compartments, bushings, cable entries, connectors) have to be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions, and be covered by a separate examination certificate. The special conditions specified for the components must be complied with, and the components may have to be included in the type test.
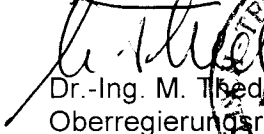
(18)   Essential health and safety requirements

Met by compliance with the afore-mentioned Standards.

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