



(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 02 ATEX 1121



(4) Equipment: Pressure / temperature switch, type Ex-*****

(5) Manufacturer: Fema Regelgeräte Honeywell AG

(6) Address: Böblinger Straße 17, 71101 Schönaich, Germany

(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 03-12306.

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

EN 50014:1997 + A1 + A2

EN 50018:2000

EN 50019:2000

EN 50281-1-1:1999

(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/D EEx de IIC T6

IP65 T 80 °C

Zertifizierungsstelle Explosionsschutz

Braunschweig, June 12, 2003

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor



(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 1121

(15) Description of equipment

The pressure / temperature switch, type Ex-*****, consists of an enclosure designed to type of protection Increased Safety "e", which accommodates a – separately certified – built-in circuit breaker designed to type of protection Flameproof Enclosure "d", as well as a – separately certified – connector terminal. It can also be employed in areas in which explosive atmospheres with dust/air mixtures may occur.

Technical data

Rated voltage up to 250 V
Rated current max 3 A AC, cos Phi ≥ 0.9
0.1 A DC
Ambient temperatures -15 °C to +60 °C

(16) Test report PTB Ex 03-12306

(17) Special conditions for safe use

None

Notes for manufacturing and operation

This EC-type-examination certificate as well as any future supplements thereto shall at the same time be regarded as supplements to Certificate of Conformity PTB No. Ex-90.C.1059.

(18) Essential health and safety requirements

met by compliance with the standards mentioned above

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor



Braunschweig, June 12, 2003