



(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 98 ATEX 2063



(4) Equipment: long distance luminaire type HE8...

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: Senator-Schwartz-Ring 26, D-59494 Soest

(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 98-28509.

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

EN 50 014:1997

EN 50 019:1994

EN 50 020:1994

(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 and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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



II 2 G EEx e ib IIC T4

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



Braunschweig, November 11, 1998

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EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE No. PTB 98 ATEX 2063**

(15) Description of equipment

The long distance luminaire type HE8... is an explosion protected electrical apparatus with a filament lamp. It is used to illuminate operation and storage areas in explosion hazardous areas.

The luminaire is equipped with primary cells or NiCd cells, depending on the type.

The housing consists of polyamide with a surface resistance $\leq 10^9 \Omega$ and a transparent part of hard glass.

(16) Report PTB Ex 98-28509

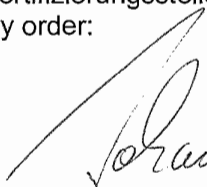
(17) Special conditions for safe use

Not applicable

(18) Essential health and safety requirements

Met by the standards mentioned above.

Zertifizierungsstelle Explosionsschutz
By order:



Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



Braunschweig, November 11, 1998