



(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 2111



(4) Equipment: Explosion-protected escape sign luminaire, type EXIT

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: Neuer Weg Nord 49
69412 Eberbach, 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 03-22104.

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

EN 50014:1997+A1+A2

EN 50019:2000

EN 50020:1994

EN 50028:1987

(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 EEx e m ib IIC T5/6

Zertifizierungsstelle Explosionsschutz

By order:


Dr.-Ing. U. Gerlach



Braunschweig, July 30, 2003

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SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 2111**

(15) Description of equipment

The luminaire, type EXIT, is intended for use as an escape sign luminaire in a potentially explosive atmosphere. It consists of a plastic housing made of polycarbonate with cover. The escape sign is affixed to the cover. White LED's mounted on a special PCB serve as the light source. The power supply (mains module) is located in a separate potted enclosure that is affixed to the LED module.

Classification in the respective temperature classes is according to the maximum permissible ambient temperature.

The luminaire can be used for a supply voltage range from 110 to 254 V, 50/60 Hz AC and from 176 to 275 V DC.

(16) Test report PTB Ex 03-22104

(17) Special conditions for safe use

None

(18) Essential health and safety requirements

Met by compliance with the standards mentioned above.

Zertifizierungsstelle Explosionsschutz

By order:


Dr.-Ing. U. Gerlach



Braunschweig, July 30, 2003

1. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 2111

(Translation)

Equipment: Explosion-protected escape sign luminaire, type EXIT CG-S

Marking:  II 2 G EEx e m ib IIC T5/6

Manufacturer: CEAG Sicherheitstechnik GmbH

Address: Neuer Weg Nord 49
69412 Eberbach, Germany

Description of supplements and modifications

1. The explosion-protected escape sign luminaire, type EXIT may also be manufactured with the CG-S module EXIT as type EXIT CG-S for surveillance and for connection of the luminaire to the central battery system ZBS manufactured by CEAG.

All other specifications remain without changes.

Test report: PTB Ex 03-23213

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, September 15, 2003


Dr.-Ing. U. Johannsmeyer
Regierungsdirektor




2. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 2111

(Translation)

Equipment: Explosion-protected escape sign luminaire,
type EXIT (EXIT CG-S)
type Ex-Lite (Ex-Lite CG-S)

Marking: EXIT resp. EXIT CG-S:  II 2 G EEx e m ib IIC T5/T6

Manufacturer: CEAG Sicherheitstechnik GmbH

Address: Neuer Weg 49
69412 Eberbach, Germany

Description of supplements and modifications

1. The luminaire, type EXIT and EXIT CG-S (plastic housing) may be used in areas with explosive dust atmospheres. The luminaire shall be marked accordingly.
2. The luminaire may be manufactured with metal housing, the type designation changes to Ex-Lite resp. Ex-Lite CG-S. This version must not be used in areas with explosive dust atmospheres.

Marking: EXIT resp. EXIT CG-S:  II 2 G EEx e m ib IIC T5/T6  II 2 D IP 66 T 60 °C
Ex-Lite resp. Ex-Lite CG-S:  II 2 G EEx e m ib IIC T5/T6

Test report: PTB Ex 03-23316

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



Braunschweig, February 3, 2004

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3. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 2111

(Translation)

Equipment: Explosion-protected escape sign luminaire, type EXIT N

Marking:  2 II G EEx em ib IIC T4/T5 II 2 D IP 66 T 60 °C

Manufacturer: Cooper Crouse-Hinds GmbH

Address: Neuer Weg 49, 69412 Eberbach, Germany

Description of supplements and modifications

The explosion-protected escape sign luminaire, type EXIT may also be manufactured as a variant for emergency lighting with the emergency light unit, type EXIT N. The marking will be adapted corresponding to the altered classification into temperature classes.

All other specifications apply without changes.

Test reports: PTB Ex 04-24012
PTB Ex 04-24012-i

Zertifizierungsstelle Explosionschutz
By order:

Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



Braunschweig, August 23, 2004


4. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 2111

(Translation)

Equipment: Explosion-protected escape sign luminaire, type EXIT

Marking:  II 2 G EEx em ib IIC T4/T5/T6 II 2 D IP 66 T 60 °C

Manufacturer: Cooper Crouse-Hinds GmbH

Address: Neuer Weg 49, 69412 Eberbach, Germany

Description of supplements and modifications

The explosion-protected escape sign luminaire, type EXIT... may also be manufactured with power supply units intended for a modified range of the input voltage.

Range of the input voltage:

Type EXIT, EXIT N 110 - 277 V AC, $\pm 10\%$, 50/60 Hz and U_{\min} 99 V up to U_{\max} 275 V DC,

Type EXIT CG-S 230 - 277 V AC 50/60 Hz

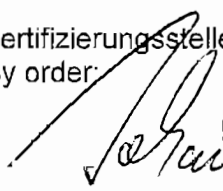
EXIT (low voltage) 12 - 24 V DC, $\pm 20\%$

The temperature class changes depending on the ambient temperature.

All other specifications apply without changes.

Test report: PTB Ex 05-24380

Zertifizierungsstelle Explosionsschutz
By order:


Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



Braunschweig, May 19, 2005

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5. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 2111

(Translation)

Equipment: Explosion-protected escape sign luminaire EXIT with the variants:
EX-LITE, EX-LITE CG-S, EX-LITE N, EX-LITE 24V

Marking:  II 2 G EEx em ib IIC (T4)/T5/T6 II 2 D IP 6X (IP66) T 60 °C

Manufacturer: Cooper Crouse-Hinds GmbH

Address: Neuer Weg 49, 69412 Eberbach, Germany

Description of supplements and modifications

1. The explosion-protected escape sign luminaire, type EXIT... may also be manufactured with a hinged frame.
2. The explosion-protected escape sign luminaire, type EXIT.... as a variant with metal housing may be manufactured under the type designation EX-LITE (EX-LITE, EX-LITE CG-S, EX-LITE N, EX-LITE 24 V).

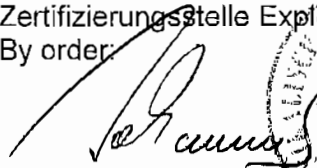
The variants of the luminaire are marked correspondingly.

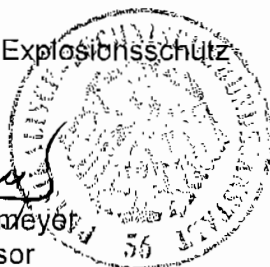
All other specifications apply without changes.

Test report: PTB Ex 05-25080

Zertifizierungsstelle Explosionsschutz

By order:


Dr.-Ing. U. Johannsmeyer
Direktor und Professor



Braunschweig, August 16, 2005

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