



(1) **EC TYPE EXAMINATION CERTIFICATE**

(2) **Equipment or protective system intended for use
in potentially explosive atmospheres
Directive 94/9/EC**

(3) EC type examination certificate number: **ISSeP03ATEX032X**

(4) Equipment or protective system:
Hand lamp type KE-EX 4008

Applicant – Manufacturer – ~~Authorized representative in the Community:~~

KIRA Leuchten GmbH

(6) Address: Wiedenstrasse 6
D - 78244 Gottmadingen - Randegg

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) ISSeP, notified body n° 492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 confidential report n° 02173.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014 : 1997 + A1 and A2 : 1999
EN 50028 : 1987
EN 50019 : 2000

(10) If the symbol "X" is placed after the certificate number, it indicates that the equipment or protective system 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 or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following indications:

 II 2 G EEx me II T5 IP68

Colfontaine, the 11.04.2003

Renaud Alain
Manager of Colfontaine division

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Zoning A. Schweitzer, rue de la Platinerie
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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP03ATEX032X

(15) Description of the equipment or protective system:

Hand lamp type KE-EX 4008 with integral cable.

The hand lamp exists in 230 VAC, 110 VAC/DC, 42 VAC/DC, 24 VAC/DC and 12 VDC variations.

The protection degree of the enclosure is IP 68 - 50 meters during 5 hours.

Electrical parameters :

Power supply in relation to the variations : 230 VAC

110 VAC/DC

42 VAC/DC

24 VAC/DC

12 VDC

Power : 8 W

- Routine tests :

The manufacturer shall make the routine verifications and tests necessary to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype or sample (EN 50014 - clause 24).

- The manufacturer shall make the routine tests indicated in clause 7 of EN 50028.

Eventual prescriptions : Tamb : -20°C à +50°C

IP 68

(16) Report n^o 02173 of 11.03.2003

Composed in total of 28 pages, completed by the following descriptive documents.

"Operating Instructions and Safety Informations (2 pages)

The drawings:

Number	Date	Pages	Description
KE-EX 4008 - 02	21.02.2003	24	Zusammenstellung Ausführung a
KE-EX 4008 - 03	21.02.2003		Zusammenstellung Ausführung b
KE-EX 4008 - 04	21.02.2003		Schutzrohr 40 x 34 x 445
KE-EX 4008 - 05	21.02.2003		EX-Innenteil 12-110 V
KE-EX 4008 - 06	21.02.2003		EX-Innenteil 230 V
KE-EX 4008 - 07/1	21.02.2003		Abschlussverschraubung unten mit Gewinde
KE-EX 4008 - 08/1	19.02.2003		Abschlussverschraubung oben
KE-EX 4008 - 12	20.02.2003		Dichtungsgummi unten
KE-EX 4008 - 13	20.02.2003		Dichtungsgummi oben
KE-EX 4008 - 15/1	06.03.2003		Reflektor mit Typenschild 230 Volt AC

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SCHEDULE

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KE-EX 4008 - 16/1	06.03.2003		Reflektor mit Typenschild 110 Volt AC/DC
KE-EX 4008 - 17/1	06.03.2003		Reflektor mit Typenschild 42 Volt AC/DC
KE-EX 4008 - 18/1	06.03.2003		Reflektor mit Typenschild 24 Volt AC/DC
KE-EX 4008 - 19/1	06.03.2003		Reflektor mit Typenschild 12 Volt DC
KE-EX 4008 - 20	20.02.2003		Abschlusskappe oben
KE-EX 4008 - 21	20.02.2003		Handgriff für Ausführung a
KE-EX 4008 - 22	20.02.2003		Handgriff für Ausführung b
KE-EX 4008 - 23	20.02.2003		Aufhängehaken
KE-EX 4008 - 24	20.02.2003	3	Vergussmasse
KE-EX 4008 - 40	20.02.2003		Trafo-Daten zu EX EVG 4008
KE-EX 4008 - 41	20.02.2003	2	Spezial-Bindemittel Chemosil 511
KE-EX 4008 - 25	20.02.2003		Verschlussbänder Satz 2 Stück
KE-EX 4008 - 26	20.02.2003		Zuleitungskabel 10 meter lang
KE-EX 4008 - 27	20.02.2003		Zuleitungskabel 10 meter lang
KE-EX 4008 - 28	20.02.2003		Zuleitungskabel 10 meter lang
KE-EX 4008 - 29	20.02.2003		Zuleitungskabel 10 meter lang
KE-EX 4008 - 30	20.02.2003		Distanzring PC
KE-EX 4008 -31	20.02.2003		Zugentlastungsschelle
KE-EX 4008 - 32	20.02.2003		Zugentlastung - Befestigungs Satz (2 mal)
KE-EX 4008 - 34	20.02.2003	5	
KE-EX 4008 - 35/1	20.02.2003	5	
KE-EX 4008 - 36	20.02.2003	5	
KE-EX 4008 - 37	20.02.2003	5	
KE-EX 4008 - 38/1	19.02.2003	5	

(17) Special conditions for safe use:

Symbole X

- The hand lamps type KE-EX 4008 shall be equipped with a certified cable entry maintaining the protection degree of IP 68 - 50 meters during at least 5 hours.
- The hand lamps type KE-EX 4008 shall be connected to a supply having a breaking capacity of 16 A maximum.

(18) Essential Health and Safety Requirements: Covered by the Standards listed in (9).

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