



(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 04 ATEX 1023



(4) Equipment: Explosion-proof floodlight, type d 3000/...

(5) Manufacturer: Adolf Schuch GmbH

(6) Address: Mainzer Straße 172, 67547 Worms, 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 04-14082.

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

EN 50014:1997 + A1 + A2

EN 50018:2000 + A1

EN 50019:2000

EN 50281-1-1:1998

(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.

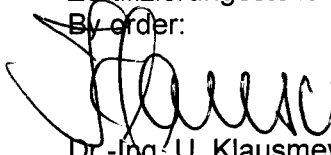
(12) The marking of the equipment shall include the following:

 **II 2 G/D EEx de IIC T4, T3 or T2 / IP 67 T... °C**

Zertifizierungsstelle Explosionsschutz

Braunschweig, August 05, 2004

By order:


Dr.-Ing. U. Klausmeyer
Regierungsdirektor



sheet 1/3

(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 04 ATEX 1023

(15) Description of equipment

The explosion-proof floodlight of type d 3000/... is designed to type of protection "d" and may optionally accommodate a tungsten-halogen lamp or a discharge lamp. The floodlight consists of the enclosure with moulded terminal compartment, designed to type of protection "e", the glass frame with single-pane safety glass, and the reflector.

Permissible ambient temperatures: -20 °C up to +40 °C / +50 °C / +55 °C

Electrical data and temperature classes:

| Type name | Rated voltage | Max. ambient temperature | Temperature class | Max. surface temperature |
|----------------|---------------------|--------------------------|-------------------|--------------------------|
| d 3000/250 QT | 220 V, 230 V | 55 °C | T3 | 170 °C |
| d 3000/300 QT | 120 V | 50 °C | T3 | 170 °C |
| d 3000/500 QT | 120 V, 220 V, 230 V | 50 °C | T2 | 240 °C |
| d 3000/125 | 220 V, 230 V, 240 V | 55 °C | T4 | 120 °C |
| d 3000/250 | 220 V, 230 V, 240 V | 40 °C | T3 | 150 °C |
| d 3000/150 HI | 220 V, 230 V, 240 V | 40 °C | T4 | 120 °C |
| d 3000/150 HI | 220 V, 230 V, 240 V | 55 °C | T3 | 130 °C |
| d 3000/250 HI | 220 V, 230 V, 240 V | 40 °C | T3 | 160 °C |
| d 3000/050 HS | 220 V, 230 V, 240 V | 55 °C | T4 | 100 °C |
| d 3000/070 HS | 220 V, 230 V, 240 V | 55 °C | T4 | 100 °C |
| d 3000/100 HS | 220 V, 230 V, 240 V | 55 °C | T4 | 110 °C |
| d 3000/150 HS | 220 V, 230 V, 240 V | 40 °C | T4 | 130 °C |
| d 3000/150 HS | 220 V, 230 V, 240 V | 55 °C | T3 | 140 °C |
| d 3000/250 HS | 220 V, 230 V, 240 V | 40 °C | T3 | 160 °C |
| d 3000/200 E27 | 220 V, 230 V | 40 °C | T4 | 130 °C |

Type key:

Letter "d"

type of protection "d" in conjunction with protection provided by enclosure

1st, 2nd, 3rd & 4th numeral

type series

5th, 6th & 7th numeral

lamp rating

Additional letters

lamp type:

QT tungsten-halogen lamp

- high-pressure mercury vapour lamp

HI metal-halide lamp

HS high-pressure sodium-vapour lamp

The detailed description, technical data and the required documents are laid down in the test documents that are attached to the test report.

(16) Test report PTB Ex 04-14082

(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. Klausmeyer
Regierungsdirektor



Braunschweig, August 05, 2004