

Translation

(1) **STATEMENT OF CONFORMITY**

TÜV NORD

- (2) Equipment and protective systems intended
for use in potentially explosive atmospheres
- **Directive 94/9/EC**



- (3) Statement of Conformity Number

TÜV 05 ATEX 2723

- (4) Equipment: **Compact Projector of type nD 3084/...**
(5) Manufacturer: **Adolf Schuch GmbH**
(6) Address: **Mainzer Straße 172
D-67547 Worms**
(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
(8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), 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 the confidential report N° 05 YEX 551814.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50 021:1999 EN 50 281-1-1:1998+A1
(10) If the sign "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 Statement of Conformity 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 or protective system must include the following:

 **II 3 G EEx n R II T4 resp. T3 and II 3 D IP65 Tx°C (see section 15)**

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Hanover, 2005-04-11


Head of the
Certification Body

(13)

SCHEDULE

(14)

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(15) Description of equipment

The compact projector of type nD 3084/... for stationary hanging installation serves for illumination of plant locations and repositories in which apparatus of category 3 for explosion hazardous areas caused by gases or dusts are required.

The projector is equipped with 1 tungsten-halogen lamp, with 1 high pressure sodium or mercury vapour lamp, with 1 metal halide lamp or with 1 induction type lamp.

The highest permissible ambient temperature and the temperature class/max. surface temperature depending on the equipment of the compact projector can be found on the following table:

Type no.	Lamp type	Lamp wattage	Highest permissible ambient temperature	Temperature class	Max. surface temperature
nD 3084/300 E40	QT	300 W	60 °C	T4	130 °C
nD 3084/500 E40	QT	500 W	40 °C	T4	130 °C
			60 °C	T3	160 °C
nD 3084/250 HS	HST, HSE	250 W	50 °C	T4	130 °C
			60 °C	T3	140 °C
nD 3084/400 HS	HST, HSE	400 W	50 °C	T3	160 °C
nD 3084/250 HI	HIT, HIE	250 W	50 °C	T4	130 °C
			60 °C	T3	140 °C
nD 3084/400 HI	HIT, HIE	400 W	50 °C	T3	170 °C
nD 3084/250 HM	HME	250 W	50 °C	T4	130 °C
			60 °C	T3	140 °C
nD 3084/400 HM	HME	400 W	50 °C	T3	160 °C
nD 3084/150 Endura	LMT-SIHF	150 W	40 °C	T4	80 °C

The instructions on the label have to be taken into account.

Electrical data:

Rated voltage 220 V / 230 V / 240 V a. c. (a. c./d. c. for tungsten-halogen lamps)
 120 V a. c./d. c. for type nD 3084/300 E40
 220 V / 230 V / 240 V a. c. resp.
 154...276 V d. c. for type nD 3084/150 Endura

Rated frequency 0 resp. 50 Hz / 60 Hz

Schedule Statement of Conformity N° TÜV 05 ATEX 2723

Note for the manufacturer

The testing of the restricted breathing enclosure has to be performed according to 27.2.3 of EN 50021 as routine test.

(16) Test documents are listed in the test report N° 05 YEX 551814.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones