



(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 07 ATEX 2002 X**



(4) Equipment: Power supply unit, type GHG 664 5... ..

(5) Manufacturer: Cooper Crouse-Hinds GmbH

(6) Address: Neuer Weg Nord 49, 69412 Eberbach/Neckar, 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 07-26122 .

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

**EN 60079-0:2004**

**EN 60079-1:2004**

**EN 60079-7:2003**

(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 Ex de IIC T6**

Zertifizierungsstelle Explosionsschutz  
By order:

Braunschweig, February 23, 2007

Dr.-Ing. U. Johannsmeyer  
Direktor und Professor



(13)

## SCHEDULE

(14)

### EC-TYPE-EXAMINATION CERTIFICATE PTB 07 ATEX 2002 X

(15) Description of equipment

The power supply unit, type GHG 664 5... ...consists of an enclosure designed to type of protection "Flameproof Enclosure" and a battery housing of type of protection "Increased Safety " which is vented by means of venting stubs.

The power supply unit, type GHG 664 5... ... is operated with a rated voltage between 220 V and 240 V, 50/60 Hz.

In the event of a mains failure the power supply unit operates a load of up to 80 W for a minimum duration of 1.5 h, e.g. a high-pressure lamp with ballast. For this time period the power is supplied from lead-gel batteries of type Powerfit S312/12S, 2 x 12 V / 12 Ah.

(16) Test report PTB Ex 07-26122

(17) Special conditions for safe use

The power supply unit shall be installed and operated in such a way that proper ventilation is guaranteed. The notes for installation and operation given in the operating instructions shall be observed.

For operation and replacement of the batteries and for the transport of replaced batteries through the hazardous area, reference is made to the warning notices and the notes given in the operating instructions.

(18) Essential health and safety requirements

met by compliance with the standards mentioned above

Zertifizierungsstelle Explosionsschutz  
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Dr.-Ing. U. Johannsmeyer  
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Braunschweig, February 23, 2007


## 1. SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 07 ATEX 2002 X

(Translation)

Equipment: Power supply unit, type GHG 664 5... ..

Marking:  II 2 G EEx de IIC T6

Manufacturer: Cooper Crouse-Hinds GmbH


Address: Neuer Weg Nord 49, 69412 Eberbach/Neckar, Germany

### Description of supplements and modifications

The power supply unit for emergency operation, type GHG 664 5... .. may also be manufactured with the modifications according to the documentation listed in section 3 of the test report. The modifications concern the components used and the internal construction.

The applied status of the standards refers to the power supply unit, type GHG 664 5... ..

All other specifications apply without changes.

In the future the marking will be:  II 2 G Ex de IIC T6

### Applied standards

EN 60079-0:2006

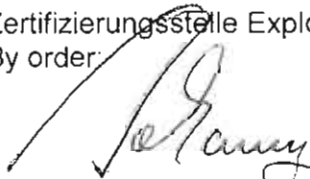
EN 60079-1:2004

EN 60079-7:2007

Test report: PTB Ex 08-28115

Zertifizierungsstelle Explosionsschutz

By order:

  
Dr.-Ing. U. Johannsmeyer  
Direktor und Professor



Braunschweig, August 12, 2008

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