



(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 01 ATEX 1069**



(4) Equipment: Plug-and-socket device, type GHG 515 .... R....

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: 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 02-11132.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014:1997 + A1 + A2      EN 50018:2000      EN 50019:2000**

(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 ed IIC T6**

Zertifizierungsstelle Explosionschutz

Braunschweig, April 18, 2002

By order:

Dr.-Ing. U. Klaus Meyer  
Regierungsdirektor



## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1069**

(15) Description of equipment

The plug-and-socket device, type GHG 515 .... R...., is used for connection of mobile electrical equipment or for connecting cables in potentially explosive atmospheres.

Auxiliary or control contacts in wall-mounting socket outlets may optionally be used.

Staggered slots make sure that only plugs or socket contacts of identical voltage rating can be used together. The plug, the coupling, and socket contact of this plug-and-socket device are designed for compliance with the plug-and-socket device of the same type as certified by conformity statement.

### Electrical data

Rated isolation voltage .....	up to	750 V
Rated voltage .....	up to	690 V
Rated current .....	max.	125 A
Utilization category .....		AC-3

*Provided the making and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.*

### Rated cross section

Plug .....	50 mm <sup>2</sup>
Wall-mounting socket outlet .....	50 mm <sup>2</sup> to 120 mm <sup>2</sup>

(16) Test report PTB Ex 02-11132

(17) Special conditions for safe use

None

### Notes for installation and use

This EC type-examination certificate as well as any future supplements thereto shall at the same time be regarded as supplements for Component Certificate PTB No. Ex-86.B.1070.

(18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the plug-and-socket device meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz

Braunschweig, April 18, 2002

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Dr.-Ing. U. Klausmeyer  
Regierungsdirektor

## 1. SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1069

(Translation)

Equipment: Plug-and-socket device, type GHG 515 .... R....

Marking:  II 2 G EEx ed IIC T6

Manufacturer: CEAG Sicherheitstechnik GmbH

Address: Neuer Weg Nord 49  
69412 Eberbach, Germany

### Description of supplements and modifications

According to EN 50281-1-1:1998 the plug-and-socket device, type GHG 515 .... R.... may also be used in areas in which explosive atmospheres with dust/air mixtures have to be expected to occur occasionally.

The marking is therefore changed to read:

 II 2 G/D EEx de II T6 IP66 T 60 °C

Test report: PTB Ex 03-13280

Zertifizierungsstelle Explosionsschutz

By order:

Braunschweig, September 18, 2003

Dipl.-Phys. U. Völke

