



(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 99 ATEX 1162

- (4) **Equipment:** Switchgear of type GHG 63. 1... R ...
- (5) **Manufacturer:** CEAG Sicherheitstechnik GmbH
- (6) **Address:** Neuer Weg Nord 49, 69412 Eberbach
- (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 00-19093.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014:1997 **EN 50018:1994** **EN 50019:1994**
- (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 and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.
- (12) The marking of the equipment shall include the following:

 **II 2 G EEx de IIC T5 or T6**

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 29, 2000

By order:


Dr.-Ing. U. Klausmeyer
Regierungsdirektor



SCHEDULE

- (13)
- (14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1162**

(15) Description of equipment

The switchgear of type GHG 63. 1... R... is composed of an enclosure of the type of protection increased safety "e" with incorporated switching, measuring or supply module with integrated terminals.

Rated operating voltage U_e up to	440 V	750 V
Rated current I_e		
Main circuit max.	25 A	25 A
Auxiliary circuit max. max.	6 A	6 A
Utilization category	DC-3	AC-3

In accordance with the relevant provisions, rated values other than those stated above are permissible if the making and breaking capacity is complied with. They have been specified by the manufacturer, dependent on the mode of operation, utilization category, etc.

Rated conductor area		
Main circuit max.	10 mm ²	
Auxiliary circuit max.	2.5 mm ²	

Ambient temperature range in operation:

for T6	-20 °C to +40 °C at $I_e \leq 16$ A
for T5	-20 °C to +55 °C at 16 A < $I_e \leq 25$ A

- (16) Test report PTB Ex 00-19093

- (17) Special conditions for safe use
none

- (18) Essential health and safety requirements

The tests carried out and their positive results show that the switchgear of type GHG 63. 1... R... meets the requirements of Directive 94/9/EC and of the standards stated on the cover sheet.

Zertifizierungsstelle Explosionsschutz

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1st SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1162

(Translation)

Equipment: switching device type GHG 63. 1...R....

Marking: II 2 G EEx de IIC T5 resp. T6

Manufacturer: CEAG Sicherheitstechnik GmbH

Address: Neuer Weg Nord 49
69412 Eberbach, Germany

Description of supplements and modifications

The switching device type GHG 63. 1...R.... may now also be used in areas where potentially explosive atmospheres with dust/air mixtures may occasionally occur.

Therefore the marking is changed into:

II 2 G/D EEx de IIC T5 resp. T6 IP66 T 55 °C

Test report: PTB Ex 01-11122

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

Braunschweig, May 7, 2001