

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin



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 00 ATEX 3117

- (4) Equipment: Control unit of types GHG 41..... R.... and GHG 43.....
- (5) Manufacturer: CEAG Sicherheitstechnik GmbH
- (6) Address: Neuer Weg Nord 49, D-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 00-30073.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50 014:1997 EN 50 018:1994 EN 50 019:1994 EN 50 020:1994
- (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:

Ex II 2 G EEx e II T6 , EEx e Ib IIC T6 , EEx ed IIC T6 or EEx ed Ib IIC T6

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, September 19, 2000

Dr.-Ing. U. Engel
Regierungsdirektor



EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

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SCHEDULE TO EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 3117

When terminals are installed, the following applies:

Rated voltage:

max. 750 V (depending on range of working voltage of terminals used)

Rated current, number and cross-section of conductors for type:

GHG 43; size 100 x 245 x 90

supplementary sheet 1

GHG 43; size 100 x 160 x 90

supplementary sheet 2

GHG 41; size 85 x 165 x 78

supplementary sheet 3

GHG 41; size 85 x 125 x 78

supplementary sheet 4

Notes

The control units are suitable for an ambient temperature range from -20°C to $+40^{\circ}\text{C}$. Suitability for other ambient temperature ranges is made evident by special marking. Only such separately approved sealing devices and built-in and built-on components – covered by a separate EC-type-examination certificate – have been used, which are suitable for these temperatures. Additional hints of the manufacturer must be observed.

The manufacturer's note: "Avoid electrostatic charging. Clean with damp cloth only" must be observed.

(16) Test report PTB Ex 00-30073

(17) Special conditions for safe use

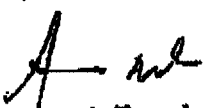
not applicable

(18) Essential health and safety requirements

The type of protection – at least IP 54 – is reached only if the tested sealing devices, cable entries and sealing plugs are properly used.

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