



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 3108



(4) Equipment: Junction boxes and terminal boxes of types GHG 79101 a. 79102

(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 00-30059.

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

II 2 G EEx e II T6 bzw. EEx ia IIC T6

Zertifizierungsstelle Explosionsschutz

Braunschweig, July 20, 2000

By order:

Dr.-Ing. U. Engel
Regierungsdirktor

sheet 1/2

SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 3108**

(15) Description of equipment

Junction boxes and terminal boxes made of polyamide of types GHG 791 01 and 791 02, intended for permanent installation, with built-in modular or mantle terminals for non-intrinsically safe and intrinsically safe (certified separately) circuits.

Marking for the type of protection

Fitting with terminals

- for non-intrinsically safe circuits only
- for intrinsically safe circuits only

EEx e II T6
EEx ia IIC T6

Technical data

Rated voltage:

maximally 750 V (depending on the working voltage of the terminals used)

For terminal boxes have been specified rated current, number of conductors and conductor cross section in the supplementary sheets.

Junction boxes GHG 791 01 and GHG 791 02:

Rated cross section, max.:

2.5 mm² 4.0 mm² 6.0 mm²

Rated current, max.:

22 A 30 A 39 A

Ambient temperature range, normal
if EPDM gaskets are used:

$-20\text{ °C} \leq T_{\text{amb}} \leq +40\text{ °C}$

Extended ambient temperature range
if silicon gaskets are used:

$-50\text{ °C} \leq T_{\text{amb}} \leq +40\text{ °C}$

Protection against contact, foreign bodies and water:

at least IP 54 acc. to EN 60 529:1991

Note

The degree of protection - at least IP 54 - will be reached only by adequate use of the separately tested gaskets, cable and conduit entries and sealing plugs.

Suitability for low ambient temperatures is indicated by separate marking. Only, such gaskets and attachments which are suitable for these temperatures and for which a separate certificate has been issued. Further notes of the manufacturer are to be taken into account.

(16) Test report PTB Ex 00-30059

(17) Special conditions for safe use

not applicable


(18) Essential health and safety requirements

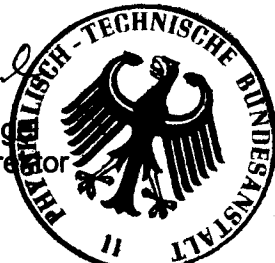
met by compliance with standards

Zertifizierungsstelle Explosionsschutz

Braunschweig, July 20, 2000

By order:


Dr.-Ing. U. Engel
Regierungsdirektor



sheet 2/2

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.

1st SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 3108

(Translation)

Equipment: Branching or terminal boxes, type GHG 791 01 and 791 02

Marking:  II 2 G EEx e II T6 or EEx ia IIC T6

Manufacturer: CEAG Sicherheitstechnik GmbH

Address: Neuer Weg Nord 49
69412 Eberbach, Germany

Description of supplements and modifications

The branching or terminal boxes, of type GHG 791 01 and 791 02 may now also be used in areas that have to be expected to be occasionally exposed to potentially explosive atmospheres with dust/air mixtures.

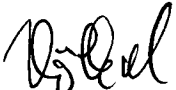
The marking, therefore, changes to

 II 2 G/D EEx e II T6 or EEx ia IIC T6 IP66 T 58 °C

Test report: PTB Ex 01-11176

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, July 26, 2001


Dipl.-Phys. U. Völkel

