



(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 1040 U

(4) Component: Flange-mounting socket-outlet type GHG 511 8... R....

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: D-69412 Eberbach

(7) This component 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 component 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 99-19127.

(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) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

(12) The marking of the component shall include the following:



II 2 G EEx ed IIC

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 01, 1999

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor



sheet 1/3

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.

SCHEDULE

(13)

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1040 U

(15)

Description of component

The type GHG 511 8... R ... flange-mounting socket-outlet serves to connect portable electrical apparatus in potentially explosive atmospheres.

Staggered grooves guarantee that only plugs or socket outlets of identical rated voltage will be used together. Mechanical marking ensures that the plugs of the type GHG 531... V ... plug-and-socket device (Certificate of Conformity PTB No. Ex-85.B.1115) can be used for the flange-mounting socket-outlet.

Electrical data

Flange-mounting socket-outlet, five-pole

Rated voltage	up to	500	V
Rated current.....	max.	16	A
Utilization category		AC-3	

Flange-mounting socket-outlet, four-pole

Rated voltage	up to	750	V
Rated current.....	max.	16	A
Utilization category		AC-3	

Flange-mounting socket-outlet, three-pole

Rated voltage	up to	400	V
Rated current.....	max.	16	A
Utilization category		AC-3	

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

Nominal frequency.....	up to	400	Hz
Rated cross-section			
Flange-mounting socket-outlet... max.		4	mm ²⁺

(16)

Report PTB Ex 99-19127, description (5 sheets), Annex to the description (4 sheets), 1 drawing

(17) Special conditions for safe use

not applicable

(18) Essential health and safety requirements

The tests carried out and their positive results show that the flange-mounting socket-outlet meets the requirements of Directive 94/9/EC and of the standards stated on the cover sheet.

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 01, 1999

By order:


Dr.-Ing. U. Klausmeyer
Regierungsdirektor




1st SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1040 U

(Translation)

Equipment: Flange-mounting socket outlet, type GHG 511 8... R....

Marking:  II 2 G EEx ed IIC

Manufacturer: COOPER CROUSE-HINDS GmbH previously CEAG Sicherheitstechnik GmbH

Address: Neuer Weg Nord 49
69412 Eberbach, Germany

Description of supplements and modifications

The flange-mounting socket outlet, type GHG 511 8...R.... , may also be manufactured with the following modifications:

- The flange of the socket outlet, type GHG 511 8...R...., may also be made from CuZn 15. This version will come with a captive protective cap.
- If the current rating is reduced to 3 A, the flange-mounting socket outlet may be used at ambient temperatures of up to 70 °C. Intermediate assignments are acceptable, of which the user will be informed in a suitable manner.
- For special voltages, the mechanical code 1h and 3h will be used.
4-pole < 690 V
5-pole < 500 V
3-pole < 400 V
- The flange-mounting socket outlet may also be used in the hazardous atmosphere "dust". The marking will then read as follows:

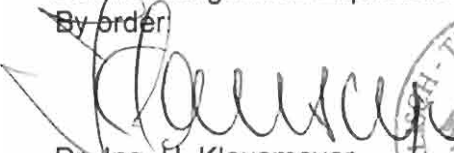
 II 2 G/D EEx ed IIC IP66 T 60 °C

Test report: PTB Ex 04-14047

Zertifizierungsstelle Explosionsschutz

Braunschweig, August 05, 2004

By order:


Dr.-Ing. U. Klausmeyer
Regierungsdirektor



Sheet 1/1

Physikalisch-Technische Bundesanstalt • Postfach 33 45 • 38023 Braunschweig

Cooper-Crouse Hinds GmbH
z. Hd. Frau Frankhauser

Neuer Weg Nord 49
69412 Eberbach

Ihr Zeichen:
Ihre Nachricht vom: 11.01.2008
Unser Zeichen: 3.5-2231-02/08-Ko
Unsere Nachricht vom:

Bearbeitet von: Ruth Koch
Telefondurchwahl: +49 (0) 531-592-3501
Telefaxdurchwahl: +49 (0) 531-592-3505
E-Mail: Ruth.koch@ptb.de

Datum: 21.05.2008

Normengenerationsänderung nach EN 60079-0 ff und EN 61241-0 ff
Change of the standard generation to EN 60079-0 ff and EN 61241-0 ff
Flanschsteckdose Typ GHG 511 8... R...
Flange-mounting socket-outlet type GHG 511 8... R...

PTB 99 ATEX 1040 U

Sehr geehrte Frau Frankhauser,
Dear Mrs. Frankhauser,

die Selbsterklärung zu o.g. Komponente auf Übereinstimmung mit den vorgenannten Normen hat die PTB zur Kenntnis genommen und den zugehörigen Prüfungsunterlagen beigelegt.
Es bestehen keine sicherheitstechnischen Bedenken, die o.g. Komponente mit folgenden Kennzeichnungen zu versehen:

 II 2G Ex de IIC

 II 2D Ex tD A21 IP66 T80°C

Die Bemessungsspannung wird auf 690 V verringert.

Wir bitten Sie, diese Änderungen bei zukünftigen Ergänzungen mit aufzunehmen.

Your statement relating the above-named component concerning the conformity with the aforementioned standards was acknowledged by PTB and added to the related test documentation. There are no safety-related objections from PTB to mark the above mentioned component as follows:

⊕ Ex II 2G Ex de IIC

⊕ Ex II 2D Ex tD A21 IP66 T80°C

The Rated Voltage is decreased to 690 V.

We would like to ask you to include this change into the next supplement.

Mit freundlichen Grüßen / Best regards

Im Auftrag / By order



Dr.-Ing. Martin Thedens
Oberregierungsrat

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Telefax

an / to

**Cooper Crouse Hinds
Postfach 1563
69405 Eberbach****Bitte sofort weiterleiten! Please pass on immediately!**

Postfach 33 45, 38023 Braunschweig, Germany

Hausadresse / Lieferanschrift

Postal address (for deliveries)

Bundesallee 100, 38116 Braunschweig, Germany

Telefon (0531) 592 0 Zentrale /

Telefon International +49 531 592 0 Operator)

Telefax (0531) 592 92 92 Zentrale /

Telefax International +49 531 592 92 92 Operator)

z. Hd. / Att.: Herrn Setzer

Telefax: 06271/806-521

von / from

Org.-Einh. / Org.Unit: 3.51 Name: Wildschütz Telefon: -3518 Datum / Date: 25.05.07 11:05

Telefax Org.-Einh. / Org.Unit: (0531) 592- -3515 Seiten / Pages: 1 (insges. / total)

Rückfragen bei fehlerhafter Übermittlung/In the case of faulty reproduction, please call: 592-3518 oder -3501

Ihre Schreiben vom 2. April 2007

Prüfung auf Explosionsschutz nach 60079-1 ff
Steckvorrichtung Typ GHG 51. 8...R....
EG-Baumusterprüfbescheinigung PTB 99 ATEX 1040 U

Sehr geehrter Herr Setzer,

es bestehen keine sicherheitstechnischen Bedenken, die obengenannte Steckvorrichtung auf Grund der Nachprüfungen für den Umgebungstemperaturbereich von
-25 °C bis 45 °C
einzusetzen.

Diese Ausführung der Steckvorrichtung erhält in die Typenbezeichnung eine geänderte Kennung

GHG 51. 8...M....

Sie werden gebeten, diese Änderung in einer künftigen Ergänzung mit aufzunehmen.

Mit freundlichen Grüßen
Im Auftrag

Wildschütz

Translation

Letter from Mr. Wildschütz, PTB, to Mr. Huter, CCH, dated April 2, 2007

Testing of explosion protection to 60079-1 ff

Plug and socket, type GHG 51. 8...R....

EC-Type Examination Certificate PTB 99 ATEX 1040U

Based on the results of retesting, there are no safety-related objections to the use of the plug and socket named above for an ambient temperature range of
-25°C to 45°C.

The type code of this version of the plug and sockets has been changed to
GHG 51. 8...M....

You are requested to incorporate this change in any future supplements.