



(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 00 ATEX 1070

(4) Equipment: Plug-and-socket device, type GHG 514R0...

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: 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 00-10154.

(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 T6

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, September 12, 2000

Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1070

(15)

Description of equipment

The plug-and-socket device of type GHG 514 R0... is used for the connection of mobile electrical apparatus or to produce wiring connections in explosion hazardous areas.

Staggered slots ensure that only plugs or socket outlets of the same rated voltage can be combined. The actuator can be provided with an auxiliary or control contact.

A mechanical identifier ensures that the plugs of plug-and-socket device, type GHG 53. V.... (certificate of conformity PTB No. Ex-86.B.1021), can continue to be used the in wall-mounting socket outlet.

Electrical data

Plug-and-socket device

Rated voltage	up to	690 V
Rated current	max.	63 A
Utilization category		AC-3

Auxiliary switch

Rated voltage U_e	up to	24 V	230 V	400 V	500 V	690 V		
Rated current I_e	max.	6 A	0.4 A	8 A	20 A	6 A	16 A	20 A
related to utilization category		DC-11	DC-11	AC-11	AC-3	AC-11	AC-3	AC-1

Provided the making and breaking capacity complies with the relevant regulations, rated values other than those specified above are permissible and will be defined by the manufacturer on the basis of the operating mode, utilization category, etc.

Rated frequency	up to	400 Hz
Rated cross section		
Plug	min.	16 mm ² fine-strand for T6
Wall-mounting socket outlet	min.	16 mm ² fine-strand, 25 mm ² stranded for T6
with cable lug or		
supplementary terminal	max.	35 mm ²
Auxiliary terminals	max.	2.5 mm ²

(16)

Test report PTB Ex 00-10154

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

SCHEDULE TO EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1070

(17) Special conditions for safe use

None

(18) Essential health and safety requirements

The test carried out and the positive results show that the flush-mounting switch meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz

By order:


Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



Braunschweig, September 12, 2000

1st SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1070

(Translation)

Equipment: Plug-and-socket device, type GHG 514 R0...

Marking:  II 2 G EEx de IIC T6

Manufacturer: COOPER CROUSE-HINDS GmbH previously CEAG Sicherheitstechnik GmbH

Address: Neuer Weg Nord 49
69412 Eberbach, Germany

Description of supplements and modifications

The type name of the plug-and-socket device GHG 514R0.... will be modified and will in future read as follows:

GHG 514R.....

The plug-and-socket device may also be operated in the hazardous area "dust". The marking will then read as follows:

 II 2 G/D EEx de IIC IP66 T 60 °C

Test report: PTB Ex 04-14202

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor



Braunschweig, August 05, 2004

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: 28.01.2008
Unser Zeichen: 3.5-587-03/08-Ko
Unsere Nachricht vom:

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Datum: 30.04.2008

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
Steckvorrichtung Typ GHG 514 R0..
Plug-and socket device type GHG 514 R0..

PTB 00 ATEX 1070

Sehr geehrte Frau Frankhauser,
Dear Mrs. Frankhauser,

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



II 2G Ex de IIC T6



II 2D Ex tD A21 IP66 T80°C

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

Achtung! Neue Bankverbindung:

Your statement relating the above-named equipment 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 equipment as follows:

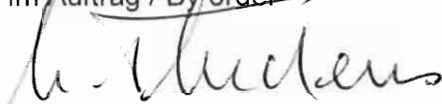
 II 2G Ex de IIC T6

 II 2D Ex tD A21 IP66 T80°C

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**

z. Hd. / Att.: Herrn Setzer

Telefax: 06271/806-521

von / from

Bitte sofort weiterleiten! Please pass on immediately!

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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 514R....
EG-Baumusterprüfbescheinigung PTB 00 ATEX 1070

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 514M....

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 514R....

EC-Type Examination Certificate PTB 00 ATEX 1070

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 514M....

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