Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

(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 1066 U

(4) Component: Protection module type GHG 611 3...R....

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: D-69412 Eberbach

(7)

(8)

The examination and test results are recorded in the confidential report PTB Ex 99-19136.

(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:

Ex II 2 G EEx de IIC I M 2 EEx de I

Zertifizierungsstelle Explosionsschutz

Braunschweig, June 22, 2000

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

(13) # SCHEDULE

(14) ## EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1066 U

(15) Description of component

The type GHG 611 3...R... protection module is composed of a flameproof enclosure for the installation of protective devices such as low-voltage high-breaking-capacity fuses, valve modules etc., optionally with auxiliary switches for status display.

Integrated terminals are used for connection.

Electrical data

Main terminals

Rated insulation voltage ..... up to 690 V

Rated current	Minimum rated cross-section to be used	For use in temperature class
25 A	4 mm²	T6
35 A	6 mm²	T5
50 A	10 mm²	T4
63 A	25 mm²	T4
80 A	35 mm²	T4
100 A	50 mm²	T4
125 A	70 mm²	T4

For nominal currents of 35 A and above, connecting wires are to be used which are heat-resistant up to 120 °C.

Auxiliary switches

Rated insulation voltage	up to	250 V
Rated current, auxiliary switch.....	max.	5 A
Rated cross-section, auxiliary switch	max.	2,5 mm²
Ambient temperature		-20 to 55 °C

(16) Test report PTB Ex 99-19136

(17) Special conditions for safe use

none;

additional instructions for safe operation:

The protection module is to be installed in an enclosure which meets the requirements of a recognized type of protection in accordance with EN 50014, section 1.2.

When the protection module is installed in an enclosure of the type of protection increased safety "e" according to EN 50019, the creepage distances and clearances according to section 4.3, section 4.4 and Table 1 must be complied with.

The component is suitable for use in both, group I and group II, as the requirements of the standard are identical in this case.

This EC-type-examination Certificate and all future supplements thereto are also to be regarded as supplements to Component Certificate PTB No. Ex-86.B.1065 U.

(18) Essential health and safety requirements

The tests carried out and their positive results show that the protection module meets the requirements of Directive 94/9/EC and of the standards stated on the cover sheet.

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, June 22, 2000

Dr.-Ing. U. Klausmeier
Regierungsdirektor

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

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:	3.5-2231-11/08-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:	08.05.2008

Normengenerationsänderung nach EN 60079-0 ff
Change of the standard generation to EN 60079-0 ff
Schutzbaustein Typ GHG 611 3...R....
Protection module type GHG 611 3...R....

PTB 99 ATEX 1066 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 beigefügt.
Es bestehen keine sicherheitstechnischen Bedenken, die o.g. Komponente mit folgenden Kennzeichnungen zu versehen:

Ⓔx II 2G Ex de IIC

Ⓔx I M2 Ex de I

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

600 00 g

Hausadresse, Lieferanschrift:
Bundesallee 100
38116 Braunschweig
Deutschland

Telefon (Zentrale): 0531 592-0
Telefax (Zentrale): 0531 592-9292
E-Mail (Zentrale): poststelle@ptb.de
Internet: http://www.ptb.de

Achtung! Neue Bankverbindung:
Bundeskasse Halle
Landeszentralbank Halle
Konto: 800 010 00
BLZ: 800 000 00

PTB Berlin-Charlottenburg
Abbestraße 2-12
10587 Berlin
Deutschland

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:

Ⓔx II 2G Ex de IIC

Ⓔx I M2 Ex de I

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