



(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 1062 U

(4) Component: Flush-mounting switch, type GHG 26. 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 00-19144.

(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 G 2 EEx de IIC IM 2 EEx de I

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, September 12, 2000

Dr.-Ing. U. Johannsmeyer
Regierungsdirektor



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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.

(13) **SCHEDULE**

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1062 U**

(15) Description of component

The flush-mounting switch of type 26. R..... comprises flameproof compartments arranged in pairs.

Technical data

Load interrupter switch

Rated insulation voltage	up to	750 V			
Rated operating voltage	up to	690 V	690 V	500 V	400 V
Rated current I_e	max.	180 A	125 A	150 A	180 A
Utilization category		AC-1	AC-3	AC-3	AC-3

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 wire range

Main terminals with cable lug	max.	50 mm ² fine-strand for 125 A
		70 mm ² fine-strand for 160 A
		120 mm ² fine-strand for 180 A

The flush-mounting switch is designed for 80° C temperature resistance and can be used within the scope of temperature class T6.

(16) Test report PTB Ex 00-19144

(17) Special conditions for safe use

None

Notes for production and operation

The flush-mounting switch shall be accommodated in a housing that meets the specifications of an approved type of protection in accordance with EN 50014, section 1.2.

When fitting the flush-mounting switch in a housing designed to type of protection Increased Safety "e" in accordance with EN 50019, the air clearance and creepage distances according to section 4.3, section 4.4 and table 1 have to be complied with.

The component can be used both in groups I and II, because in this case the requirements of the standard are identical.

The present EC type examination certificate as well as any of its future supplements shall be regarded as supplements of component certificate PTB No. Ex-86.B.1048 U.

(18) Essential health and safety requirements

The tests 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:

Braunschweig, September 12, 2000


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Regierungsdirektor



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Cooper-Crouse Hinds GmbH
z. Hd. Frau Frankhauser

Neuer Weg Nord 49
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Ihr Zeichen:
Ihre Nachricht vom: 11.01.2008
Unser Zeichen: 3.5-2231-05/08-Ko
Unsere Nachricht vom:

Bearbeitet von: Ruth Koch
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Datum: 06.05.2008

Normengenerationsänderung nach EN 60079-0 ff
Change of the standard generation to EN 60079-0 ff
Einbauschalter Typ GHG 26.R...
Flush-mounting switch type GHG 26.R...

PTB 99 ATEX 1062 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:

 II 2G Ex de IIC

 I M2 Ex de I

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

Achtung! Neue Bankverbindung:

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:

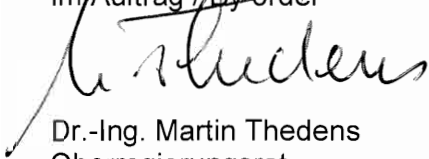
 II 2G Ex de IIC

 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