

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

## (1) EC Type Examination Certificate

(2) Equipment and Protective Systems for Use in Hazardous Locations -  
**Directive 94/9/EC**

(3) EC Type Examination Certificate Number

**PTB 00 ATEX 2031 U**



(4) Component: Voltage Limiter for 8010 No. 80 100 01 740

(5) Manufacturer: R. Stahl Schaltgeräte GmbH

(6) Address: Bergstraße 2, D-74653 Künzelsau

(7) The construction of this component and any acceptable variation hereto is specified in the schedule to this type examination certificate.

(8) 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 hazardous locations, given in Annex II to the directive.

The results of the test are recorded in the confidential test report No. PTB Ex 00-20043.

(9) The essential Health and Safety Requirements are met by compliance with:

**EN 50014:1997**

**EN 50019:1994**

**EN 50028:1987**

(10) The sign "U" after the certificate number indicates that this certificate should not be confounded with certificates assigned to equipment or a protective system. This component certificate may be used only as the basis for certification of an 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 me II and I M 2 EEx me I**

Zertifizierungsstelle Explosionsschutz  
by order  
Dr.-Ing. U. Johannsmeyer  
Regierungsdirektor

Braunschweig, 20 March 2000

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

## S c h e d u l e

(14) **EC Type Examination Certificate PTB 00 ATEX 2031 U**

(15) Description of the component

The voltage limiter is used for the voltage clamping of circuits in hazardous areas. It always has to be installed into enclosures meeting at least degree of protection IP 54. The voltage limiter can be installed with or without cover.

(16) Test report PTB Ex 00-20043

(17) Special requirements

1. The voltage limiter may be installed only into certified enclosures (min. IP 54).
2. The voltage limiter may be used in a temperature range of -40 °C to +50 °C. The exact allocation is to be seen from the operating instructions.
3. The switching capacity of the line-side fuse of the voltage limiter must be equal or larger than the maximum short circuit current to be supposed at the mounting place (usually 1500 A). In case that the switching capacity of the fuse deviates from 1500 A, the real switching capacity of the fuse is to be seen from the operating instructions. The equipment fitted with this voltage limiter is to be marked with the real switching capacity of the fuse installed.
4. For installation or mounting of voltage limiters into electroconductive enclosures or walls, a minimum distance of 3 mm to the voltage limiter has to be maintained.

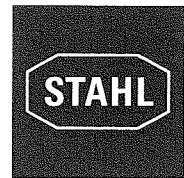
(18) Essential Health and Safety Requirements

Maintained by the above mentioned standards, with the exception of the paragraphs 13.3 and 23.4.3.1 of EN 50014 and the paragraphs 4.9, 4.10 and 5.9 of EN 50019.

Zertifizierungsstelle Explosionsschutz  
by order  
(signature)  
Dr.-Ing. U. Johannsmeyer  
Regierungsdirektor

Braunschweig, 20 March 2000

**EG-Konformitätserklärung**  
*EC-Declaration of Conformity*  
*Déclaration de Conformité CE*



**Wir** (*we; nous*)

R. STAHL Schaltgeräte GmbH, Am Bahnhof 30, 74638 Waldenburg, Germany

**80 100 01 74 0**

**erklären in alleiniger Verantwortung, dass das Produkt**  
*hereby declare in our sole responsibility, that the product*  
*déclarons, sous notre seule responsabilité, que le produit*

**Spannungsbegrenzer für 8010**  
*Voltage limiter for 8010*  
*Limiteur de tension pour 8010*

**mit der EG-Baumusterprüfbescheinigung:**  
*(under; EC-Type Examination Certificate:*  
*avec) Attestation d'examen CE de type:*

**PTB 00 ATEX 2031 U**

**auf das sich diese Erklärung bezieht, mit den folgenden Normen oder normativen Dokumenten übereinstimmt**

*which is the subject of this declaration, is in conformity with the following standards or normative documents*

*auquel cette déclaration se rapporte, est conforme aux normes ou aux documents normatifs suivants*

**Bestimmungen der Richtlinie**  
*terms of the directive*  
*prescriptions de la directive*

**Nummer sowie Ausgabedatum der Norm**  
*Number and date of issue of the standard*  
*Numéro ainsi que date d'émission de la norme*

**94/9/EG: ATEX-Richtlinie**  
*94/9/EC: ATEX Directive*  
*94/9/CE: Directive ATEX*

EN 60079-0:2006  
 EN 60079-7:2007  
 EN 60079-18:2004

**2004/108/EG: EMV-Richtlinie**  
*2004/108/EC: EMC Directive*  
*2004/108/CE: Directive CEM*

EN 55014-1  
 EN 55014-2  
 EN 55015  
 EN 61000-3-2  
 EN 61000-4-5

**Qualitätssicherung Produktion:**  
*Production Quality Assessment:*  
*Assurance Qualité Production:*

PTB 96 ATEX Q006-4

**Kenn-Nr. der benannten Stelle / Notified Body number / N° de l'organisme de certification:** 0102

Waldenburg, 13. Okt. 2008

i.V.

i.V.

**Ort und Datum**  
*Place and date*  
*Lieu et date*

**B. Limbacher**  
**Leiter Entwicklung**  
*Head of Development*  
*Directeur Développement*

**Dr. S. Jung**  
**Leiter Qualitätsmanagement**  
*Director Quality Management Dept.*  
*Directeur Dept. Assurance de Qualité*