



## (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 01 ATEX 1015 U**



(4) Component: Empty enclosure, type 8146/-...-

(5) Manufacturer: R. Stahl Schaltgeräte GmbH

(6) Address: Am Bahnhof 30, D-74638 Waldenburg (Württ.), GERMANY

(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 01-11018.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50014:1997 + A1 + A2**

**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 e II**

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Klausmeyer  
Regierungsdirektor



Braunschweig, April 26, 2001

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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.

## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1015 U**

(15) Description of component

Empty enclosure of type 8146/-...-.. made of polyester, which may be provided with flanges and may be connected in series.

Technical data

Sizes:	Length	Width	Height
smallest	112.5 mm	112.5 mm	91 mm
largest	681 mm	340 mm	230 mm

Ambient temperatures: max. -40 °C to +100 °C, subject to the sealing used

Touch guard, protection against ingress of foreign matter and water: IP 54 in accordance with EN 60529 as a minimum

(16) Test report PTB Ex 01-11018

(17) Special conditions for safe use

**None;**

Notes for installation and use:

The EC type-examination certificate and any future supplements thereto shall at the same time be regarded as supplements for Component Certificate PTB No. Ex-90.C.3144 U.

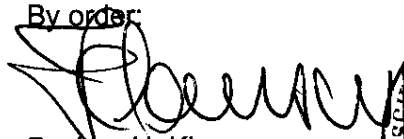
(18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the empty enclosure of type 8146/-...-.. meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz

Braunschweig, April 26, 2001

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## 1st SUPPLEMENT

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

### to EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1015 U

(Translation)

Equipment: Empty enclosure, type 8146/-...-

Marking:  II 2 G EEx e II

Manufacturer: R. STAHL Schaltgeräte GmbH

Address: Am Bahnhof 30, 74638 Waldenburg (Württ.), Germany

#### Description of supplements and modifications

The empty enclosure, type 8146/-...-, made from polyester, may also be employed in areas in which a potentially explosive atmosphere as a mixture of dust and air can occasionally form.

It has been re-inspected on the basis of Standards EN 60079-0 and EN 60079-7.

The marking will thus change to:

 II 2 G Ex e II

 II 2 D Ex tD A21 IP66

#### Technical data

Sizes		Length	Width	Height
	Smallest	112.5 mm	112.5 mm	91 mm
	Largest	681 mm	340 mm	230 mm

Working temperatures: max. - 40 °C to +100 °C,  
subject to sealing used

Protection against contact, foreign  
bodies and water:

IP66 in compliance with EN 60529

#### Applied standards

EN 60079-0:2004

EN 60079-7:2003

EN 61241-0:2006

EN 61241-1:2004

Test report: PTB Ex 07-17093

Zertifizierungsstelle Explosionsschutz

Braunschweig, April 16, 2007

By order:

  
Dr.-Ing. T. Jäger  
Oberregistrator



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