



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx PTB 06.0044U**

Issue No.: **0**

Status: **Current**

Date of Issue: **2006-06-06**

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Applicant: **R. Stahl Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg (Württ.)
Germany

Electrical Apparatus: **Empty enclosure type 8146/-...-**
Optional accessory:

Type of Protection: **Increased Safety, Protection by Enclosures**

Marking: **Ex e II**
Ex tD A21 IP66

*Approved for issue on behalf of the IECEx
Certification Body:*

Dr.-Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosures"

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Physikalisch-Technische
Bundesanstalt (PTB)**

Bundesallee 100
38116 Braunschweig
Germany





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Manufacturer: **R. Stahl Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg (Württ.)
Germany

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacture's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/PTB/ExTR06.0054/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

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

It is used in type of protection Increased Safety "e" and Protection by Enclosure "tD",

Nomenclature

Empty enclosure	Type	8146/-abc-de
-	Empty enclosure	
a, b	Sizes (Length x Width in mm) 00 = Combination 03 = 112.5 x 112.5 04 = 170 x 112.5 24 = 227 x 112.5 05 = 170 x 170 06 = 227 x 170 07 = 340 x 170 B7 = 340 x 170 S7 = 340 x 170 08 = 340 x 340 09 = 681 x 340	
c	Sizes (Height in mm) 0 = Combination 1 = 91 2 = 131 3 = 150 4 = 171 5 = 190 6 = 230	
d, e	numerals or letters without influence to explosion-protection	

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		
Protection against dust and water according to IEC 60529	IP66		

CONDITIONS OF CERTIFICATION: NO