



# 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](http://www.iecex.com)

Certificate No.: **IECEx PTB 06.0029U** Issue No.: **0**

Status: **Current**

Date of Issue: **2006-04-05** Page **1** of **3**

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

Electrical Apparatus: **Empty Enclosure type 8125/-...-...**  
*Optional accessory:*

Type of Protection: **Increased Safety**

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 Enclosure"

*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 Waldenburt (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:

<b>IEC 60079-0 : 2000</b> Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-7 : 2001</b> Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> 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/ExTR06.0034/00](#)

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 8125/-...-..., made of sheet steel or stainless sheet steel, for use in equipment with type of protection Increased Safety "e" and Protection by Enclosure "tD" for fixed installation. It can be equipped with different flanges. Different enclosures of this type in different sizes can be assembled.

#### Technical data

Size	Length	Width	Height		Size	Length	Width	Height
8125/-041	176.5 mm	116.5 mm	91 mm		8125/-051	176.5 mm	176.5 mm	91 mm
8125/-061	236.5 mm	176.5 mm	91 mm		8125/-063	236.5 mm	176.5 mm	150 mm
8125/-071	360 mm	176.5 mm	91 mm		8125/-073	360 mm	176.5 mm	150 mm
8125/-075	360 mm	176.5 mm	190 mm		8125/-076	360 mm	176.5 mm	230 mm
8125/-B75				8125/-B76				
8125/-106	235 mm	360 mm	230 mm		8125/-107	235 mm	360 mm	290 mm
8125/-081	360 mm	360 mm	91 mm		8125/-083	360 mm	360 mm	150 mm
8125/-201				8125/-203				
8125/-085	360 mm	360 mm	190 mm		8125/-086	360 mm	360 mm	230 mm
8125/-205				8125/-206				
8125/-087	360 mm	360 mm	290 mm		8125/-256	360 mm	300 mm	230 mm
8125/-207								
8125/-257	360 mm	300 mm	290 mm		8125/-356	480 mm	300 mm	230 mm
8125/-357	480 mm	300 mm	290 mm		8125/-306	480 mm	360 mm	230 mm
8125/-307	480 mm	360 mm	290 mm		8125/-585	543.5 mm	543.5 mm	190 mm
8125/-091	727 mm	360 mm	91 mm		8125/-586	543.5 mm	543.5 mm	230 mm
8125/-095	727 mm	360 mm	190 mm		8125/-093	727 mm	360 mm	150 mm
8125/-097	727 mm	360 mm	290 mm		8125/-096	727 mm	360 mm	230 mm
8125/-907	730 mm	360 mm	290 mm		8125/-906	730 mm	360 mm	230 mm
8125/-917	730 mm	730 mm	290 mm		8125/-916	730 mm	730 mm	230 mm
8125/-000	combination of enclosures				8125/-...9	enclosure with special height		

Temperature range of use, normal:	-20 °C to +80 °C
Temperature range of use, extended	-20 ° to +90 / +100 °C
depending on the gasket used:	-50 °C to +80 / +90 / +100 °C
	-55 °C to +90 °C
Protection against contact, entry of solids and water according to IEC 60529	IP66
The empty enclosures are suitable for a temperature range of use of -20 °C to +80 °C.	

#### Key of type designation

Empty enclosure	Type	8125/-abc-def
-	Empty enclosure	
a, b	Sizes (Length x Width in mm)	

	00 = Combination 04 = 176.5 x 116.5 05 = 176.5 x 176.5 06 = 236.5 x 176.5 07 = 360 x 176.5 B7 = 360 x 176.5 25 = 360 x 300 08 = 360 x 360 20 = 360 x 360 09 = 727 x 360 10 = 235 x 360 35 = 480 x 300 30 = 480 x 360 58 = 543.5 x 543.5 90 = 730 x 360 91 = 730 x 730
c	Sizes (Height in mm) 0 = Combination 1 = 91 3 = 150 5 = 190 6 = 230 7 = 290 9 = special height between 91 and 290
d, e, f	numerals or letters without influence to explosion-protection

**CONDITIONS OF CERTIFICATION: NO**