



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 10.0056U issue No.: 0

Certificate history:

Status: **Current**

Date of Issue: **2010-10-22** Page 1 of 4

Applicant: **STEELDESIGN GmbH**
Brüsseler Straße 6
53842 Troisdorf
Germany

Electrical Apparatus: **Empty enclosure type TX "e" (_ _) (_ _ _)**
Optional accessory:

Type of Protection: **Increased safety "e", Protection by enclosure "tD"**

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

Approved for issue on behalf of the IECEx
Certification Body:

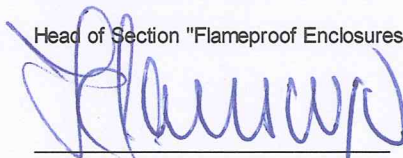
Dr.-Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosures"

Signature:
(for printed version)

Date:


04. NOV. 2010

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





IECEx Certificate of Conformity

Certificate No.: IECEx PTB 10.0056U

Date of Issue: 2010-10-22

Issue No.: 0

Page 2 of 4

Manufacturer: **STEELDESIGN GmbH**
Brüsseler Straße 6
53842 Troisdorf
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 manufacturer'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 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by 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/ExTR10.0063/00

Quality Assessment Report:

DE/TUR/QAR10.0003/00



IECEx Certificate of Conformity

Certificate No.: IECEx PTB 10.0056U

Date of Issue: 2010-10-22

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The empty enclosure, type TX "e"(_ _ _)(_ _ _ _), consists of a stainless-steel housing in the types of protection Increased Safety "e" and Protection by enclosure "ID", which may be provided with flanges if necessary.

Technical data

Overall sizes		Length	Width	Height
	Smallest	100 mm	100 mm	60 mm
	Largest	600 mm	420 mm	200 mm
Ambient temperatures		-40 °C to +120 °C		
Protection against solid foreign objects, water and contact		IP66 in accordance with EN 60529		

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx PTB 10.0056U

Date of Issue: 2010-10-22

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

Nomenclature

TX "e"	(_)	((
1	2	3	4	5

- 1: Type
- 2: Height
- 3: Width
- 4: Depth
- 5: Flange A, B, C, D or article id

Schedule of Limitations

Installation of electrical components requires a further assessment by an ExCB.