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 TUR 14.0038X	Issue No: 1	Certificate history:
Status:	**Current**	Page 1 of 4	Issue No. 1 (2016-06-30) Issue No. 0 (2014-11-25)
Date of Issue:	**2016-06-30**		

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

Equipment: **Wall housings/standings and Terminal boxes**

Optional accessory:

Type of Protection: **Ex e, Ex ia, Ex tb**

Marking:

Ex e IIC T* Gb or Ex ia IIC T* Ga or Ex tb IIIC T*°C Db

Approved for issue on behalf of the IECEx Certification Body: Dipl.-Ing. Andreas Maschke

Position: Deputy Head of Certification Body

Signature:
(for printed version)

Date: 2016-30-06

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.

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland

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Manufacturer:	**Steeldesign GmbH** Brüsseler Straße 6 53842 Troisdorf **Germany**	
Additional 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/TUR/ExTR14.0034/01

Quality Assessment Report:

DE/TUR/QAR10.0003/01

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The housings and connecting flanges of the populated wall housings WG/SG"e" are made of stainless steel in accordance with EN 10088, 1.4301 AISI 304 or of higher quality. The housing and the housing door are laser cut from at least 1.25mm thick stainless steel panels and are manufactured as a folding and welding construction

The housings and connecting flanges of the TX"e" – are made of stainless steel in accordance with EN 10088, 1.4301 AISI 304 or of higher quality. The housing and the housing cover are laser cut from at least 1.25mm thick stainless steel panels and are manufactured as a folding and welding construction.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Suitable certified cable glands or stopping plugs that sustain the type of protection must be used.

2. A minimum temperature of 95°C has to be observed for the wiring.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Supplement issue 1

Added new type of protection "ia" if intrinsically safe circuits are connected to the listed and approved Ex e terminals. Thus checklist for 60079-11 was omitted since there are no new requirements.

New temperature class T6 (80°C for dust) introduced according to calculation method in the manual

Adding new type name because of type of protection:

WG "i" (_____) ((_ _ _))

SG "i" (_____) ((_ _ _))

TX "i" (_____) ((_ _ _))

(_____) = height * width * depth

((_ _ _)) = Item number

Adding following IECEx certified components:

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Device	Type	Certificate	Standards
Terminal	Misc.	IECEx ULD 05.0008U	IEC 60079-0:2004 IEC 60079-7:2001
Terminal	Misc.	IECEx KEM 06.0032U	IEC 60079-0:2004 IEC 60079-1:2007
Terminal	Misc.	IECEx ULD 05.0009U	IEC 60079-0:2004 IEC 60079-1:2001

The study of the differences between the standards associated with this ExTR package and the above listed components shows, that there are no applicable technical differences.

Annex:

Attachment to IECEx_TUR_14.0038X.pdf