



IECEX TEST REPORT COVER

ExTR Reference Number	DE/PTB/ExTR10.0063/01
ExTR Free Reference Number	PEX1 2012 00284 (empty enclosure)
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Date of issue	2013-01-21
Ex Testing Laboratory (ExTL)	PTB, PL-Ex 1
Address	Bundesallee 100, 38116 Braunschweig, Germany
Ex Certification Body (ExCB)	PTB, ZS-Ex
Address	Bundesallee 100, 38116 Braunschweig, Germany
Applicant's name	STEELDESIGN GmbH
Address	Brüsseler Straße 6, 53842 Troisdorf, Germany
Standards associated with this ExTR package	IEC 60079-0: 2011 (Ed. 6), IEC 60079-7: 2006 (Ed. 4), IEC 60079-31:2008 (Ed.1)
Clauses considered	All clauses considered
Test procedure	IECEX System
Test Report Form Number	ExTR Cover_4 (released 2010-12)
Test item description	Empty enclosure
Model/type reference	Type TX "e"(_ _ _) ((_ _ _))
Code (e.g. Ex _ II_ T_)	Ex e IIC Gb Ex tb IIIC Db
Rating	Technical data see below
All testing fully performed by ExTL staff at ExTL address above:	Tests have been performed by PTB in 2008.

Instructions for Intended Use of ExTR Cover:

An ExTR Cover is the sole top-level document to associate together all other parts of an IECEx Test Report (ExTR) package. An ExTR package is comprised of an ExTR Cover and one or more associated ExTR documents (which may include Ex Test Reports, ExTR Addendums and ExTR of National Differences). All ExTR package documents are compiled and reviewed by the ExTL. The Issuing ExCB indicates final approval of the overall ExTR package on this ExTR Cover.

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Manufacturer's name.....	STEELDESIGN GmbH												
Address.....	Brüsseler Straße 6, 53842 Troisdorf, Germany												
Trademark	Steeldesign												
Particulars: Test item vs. Test requirements													
Classification of installation and use	portable / <u>stationary</u> / hand-held												
Ingress protection	IP66												
Rated ambient temperature range (°C).....	- 40 °C to +120 °C												
Rated service temperature range (°C) for Ex Components	- 40 °C to +120 °C												
General remarks:													
The test results presented in this ExTR package relate only to the item or product tested.													
<ul style="list-style-type: none"> ▪ "(see Attachment #)" refers to additional information appended to the ExTR package. ▪ "(see appended table)" refers to a table appended to the ExTR package. ▪ Throughout this ExTR package, a point is used as the decimal separator. ▪ <i>Where the term "N/A" appears in any part of an ExTR package, it indicates that the associated issue was considered "Not applicable" to the involved evaluation.</i> ▪ <i>In accordance with IECEx 02, a Receiving ExCB may request a sample of the Ex equipment and copies of the documentation referred to in an ExTR Cover.</i> 													
The technical content of this ExTR package shall not be reproduced except in full without the written approval of the Issuing ExCB and ExTL.													
Copy of Marking Plate:													
General product information:													
QAR: DE/TUR/QAR10.0003/01													
ATEX: PTB 08 ATEX 1002 U													
IECEX: IECEX PTB 10.0056U, Issue 1													
Description of equipment:													
The empty enclosure, type TX "e"(_ _ _) ((_ _ _)), consists of a stainless-steel housing in the types of protection Increased Safety "e" and Protection by enclosure "tb", which may be provided with flanges and hinges, which are welded to the enclosure outside the sealed area.													
Technical data:													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Overall sizes</th> <th style="width: 10%;">Length</th> <th style="width: 10%;">Width</th> <th style="width: 10%;">Height</th> </tr> </thead> <tbody> <tr> <td>Smallest</td> <td>100 mm</td> <td>100 mm</td> <td>60 mm</td> </tr> <tr> <td>Largest</td> <td>600 mm</td> <td>420 mm</td> <td>200 mm</td> </tr> </tbody> </table>		Overall sizes	Length	Width	Height	Smallest	100 mm	100 mm	60 mm	Largest	600 mm	420 mm	200 mm
Overall sizes	Length	Width	Height										
Smallest	100 mm	100 mm	60 mm										
Largest	600 mm	420 mm	200 mm										
Ambient temperature: - 40 °C to +120 °C,													
Protection against solid foreign objects, water and contact IP66 in accordance with EN 60529													

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

Details of certificate changes

- 1) The cover may be provided with hinges.
 2) New test according to IEC 60079-0: 2011 (Ed. 6), IEC 60079-7: 2006 (Ed. 4), IEC 60079-31:2008 (Ed.1).
 3) New marking.

In accordance with OD 024, testing not fully performed by ExTL staff at the above ExTL address:

Tests have been performed by PTB.

National differences considered as part of this evaluation, if any:

None

"Conditions of Use" for Ex Equipment or "Schedule of Limitations" for Ex Components, if any:

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

Routine tests, if any:

None

Manufacturer's Documents of Issue 1			
Title:	Drawing No.:	Rev. Level:	Date:
The documents are in the file of the EC-examination certificate PTB 08 ATEX 1002 U			
Description		001-1	2012-12-17
Drawing Marking plate	10015345	a	2012-12-17
Manual	BAL 01		2012-09

Manufacturer's Documents of Issue 0			
Title:	Drawing No.:	Rev. Level:	Date:
The documents are in the file of the EC-examination certificate PTB 08 ATEX 1002 U			
Description	001-h		2008-02-20
TX "e"-Gehäuse Typen, IP66, mit 4-seitig Flanschplatten, Edelstahl 1,25 mm 240 Korn	611.040.060.016.12.999.0045.0006, Sheet 1 and 2	B	2008-02-20
Working instruction PTB "Verfahren der Klima-/Wärmelagerung, Stoßprüfung und anschließender Gehäuseschutzartprüfung IPxx an Gehäusen	PL-Ex-1/3.5 AA 2.30	1	2007-11-23
Test protocol of PTB, thermal endurance to heat and cold	045/07		2008-01-04
Test protocol of PTB, impact test	045/07a1		2008-01-08
Test protocol of PTB, IPX6-test	045/07a2		2008-01-08
Test protocol of PTB,IP6X-test	045/07a3		2008-01-10
Test protocol of PTB, impact test	045/07b1		2008-01-08
Test protocol of PTB,IP6X-test	045/07b2		2008-01-09
Test protocol of PTB, impact test	045/07c1		2008-01-08
Test protocol of PTB, IPX6-test	045/07c2		2007-10-29
Example Endmontage - Prüfprotokoll			
Data sheet Silicon-Schaumprofil,			2007-06-27
Data sheet EPDM 50 55502			2006-09-01
Data sheet Selbstklebeausrüstung Typ C			no date
Manual			2009-09

Title:	Drawing No.:	Rev. Level:	Date:
Confirmation letter, size of the enclosure			2008-04-01
Confirmation letter, cover with hinges			2008-10-16
IECEx documents			
Marking plate	10015345		2010-10-18