

(1) EC TYPE-EXAMINATION CERTIFICATE



(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 94/9/EC**

(3) EC Type-Examination Certificate Number

TÜV 13 ATEX 7265 U

(4) **Equipment:** **Empty enclosure Ex –Line**
Type WG “ex” (____) ((____))
Type SG “ex” (____) ((____))

(5) **Manufacturer:** **Steeldesign GmbH**

(6) **Address:** **Brüsseler Straße 6, D-53842 Troisdorf**

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle for ex-protected products of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 9 of the Council Directive 94/9/EC of

23 March 1994, certifies this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended

for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex265.00/13

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2009

EN 60079-7:2007

EN 60079-31:2009

except the requirements, which are listed under item (18).

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type-Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:

 **II 2 G Ex e IIC Gb**

 **II 2 D Ex tb IIIC Db IP66**

TÜV Rheinland EXNB for explosion protected equipment

Cologne, 2014-02-13

Dipl.-Ing. Klauspeter Graffi

This EC-Type-Examination Certificate without signature and stamp shall not be valid.
This EC-Type-Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Notified Body of TÜV Rheinland Industrie Service GmbH, Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex to

(14) **EC-Type Examination Certificate**
TÜV 13 ATEX 7265 U

(15) **Description of equipment**

Empty Enclosure Ex Line

Type WG "ex" (____) ((__ __))

Type SG "ex" (____) ((__ __))

15.1 Equipment and type:

Type designation:

Type WG "ex" (____) ((__ __)) and Type SG "ex" (____) ((__ __))

WG = Wall enclosure

SG = Fixed housing

(____) = Height x Width x Depth

((__ __)) = Material number (not ex-relevant)

Description:

The Empty Enclosure type WG"ex" (____) ((__ __)) and Typ SG "ex" (____) ((__ __)) is designed in type of protection increased safety – "e" resp. equipment dust protection by enclosure "t" .

The enclosures are made of non-lacquered bent and welded stainless steel sheets. They can be manufactured in different sizes. They consist of a base and one or two lids. The lids are equipped with locking elements and hinges for opening or locking. The two optional hinge types allow two different aperture angles of the doors (130° or 180 °C). Optionally the lids can be equipped with windows.

The enclosures are equipped with an inner and an outer earthing connecting element.

The enclosures were tested without inner mounted components and enclosure boreholes.

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15.2 Technical Data

| |
|--|
| Abmessung: minimum: H 200mm x W 100mm x D 80mm maximum: H 1400mm x W 1000mm x D 600mm |
| Degree of enclosure protection: IP 66 |
| Maximum of operating temperature : - 40°C bis + 120°C * |
| * Must be assessed by the notified body which decreases the assembly. The maximum temperatures of the case minus the self-heating are given here. If one of the resources used by the maximum and minimum temperature class is different, is always the most unfavorable temperature class to use. |

(16) **Test-Report No.** 557/Ex265.00/13

The empty enclosures were to use in zone 1 and 2 and in zone 21 and 22. The tests have been carried out to the standards EN 60079-0 / -7 / -31 and passed. The temperature rating must be carried out after installation and shall be certified separately.

(17) **Special Conditions for safe use**

1. For completion of the empty enclosure with internal components , devices or external attachments the end user has to fulfil the requirements of the used standards with respect to mechanical strength of the enclosure.
2. The temperature rating must be carried out after installation and shall be certified separately.

(18) **Basic Safety and Health Requirements**

Fulfilled

TÜV Rheinland ExNB für explosion protected equipment

Cologne, 2014-02-13

Dipl.-Ing. Klauspeter Graffi



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