



# 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 SIR 14.0073U** issue No.: **0** Certificate history: \_\_\_\_\_

Status: **Current**

Date of Issue: **2015-02-26** Page 1 of 4

Applicant: **Hoffman Enclosures Inc.**  
2100 Hoffman Way  
Anoka  
Minnesota  
55303  
United States of America

Electrical Apparatus: **ZONEX™ Hole Seal**  
Optional accessory:

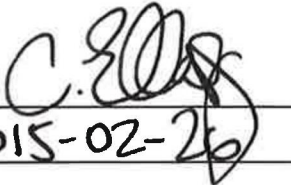
Type of Protection: **Increased Safety and Dust**

Marking: **Ex e IIC Gb**  
**Ex tb IIIC Db**

Approved for issue on behalf of the IECEx Certification Body: **C Ellaby**

Position: **Deputy Certification Manager**

Signature:  
(for printed version)

  
\_\_\_\_\_

Date:

**2015-02-26**  
\_\_\_\_\_

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:

**SIRA Certification Service**  
Rake Lane  
Eccleston  
Chester  
CH4 9JN  
United Kingdom

**sira**  
CERTIFICATION





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Manufacturer: **Hoffman Enclosures Inc.**  
2100 Hoffman Way  
Anoka  
Minnesota  
55303  
United States of America

Additional Manufacturing location  
(s):

These products may be manufactured at any Hoffman Enclosures Facility that has been audited for the manufacture of the type of protection defined on this certificate; in addition, the site must also be listed on Quality Assessment Report GB/SIR/QAR09.0018/08 or its subsequent issues

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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> 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:  
[GB/SIR/ExTR15.0047/00](#)

Quality Assessment Report:  
[GB/SIR/QAR09.0018/08](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The ZONEX™ Hole Seal is intended to close off and seal unused cable entries on associated, smooth metallic surfaced, increased safety enclosures. It comprises of four component parts:

- Seal plate - a round and formed outer metallic disc with a centrally welded stud.
- Gasket - Fitted around the edge of the seal plate is a one piece, profiled, elastomeric gasket.
- Retainer plate - a round and formed inner, metallic disc with a central hole.
- Hex nut - a one piece combined nut and serrated fan disc washer.

The nut and combined washer secures the inner metal disc to the outer metal disc via its attached welded stud whilst clamping against the associated enclosure/gland plate. This creates an ingress protection seal on the outer surface of the associated enclosure/gland plate to which it is fitted.

The product is available in the following sizes:

Model No:	Catalogue No:
28782	EXAS050xxx
28783	EXAS075xxx
28784	EXAS100xxx
28785	EXAS125xxx
28786	EXAS150xxx
28787	EXAS200xxx
28788	EXAS250xxx

Refer to EQUIPMENT (continued) for additional description and Schedule of Limitations

### CONDITIONS OF CERTIFICATION: NO



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## EQUIPMENT(continued):

The product number designation is EXASDSS6 where:

EXA = Ex hazardous area approved  
S = Silicone gasket  
D = 3 digit numerical code representing the intended conduit entry size the seal is to be fitted in inches e.g. 050 (1/2")  
SS = Stainless steel. If catalogue number does not end in '6', seal plate material is 304 SS  
6 = 316 Stainless steel (Only)

### Schedule of limitations

The user/installer shall comply with the following:

1. The ZONEX™ Hole Seal has been independently Ingress protection tested and, when mounted on a flat smooth sheet metal of a suitable enclosure in accordance with the manufacturer's instructions, a rating of up to IP66 can be achieved.
2. The ZONEX™ Hole Seal shall be:
  - installed on metallic enclosures having internal bare clean metal surfaces to avoid electrostatic discharge.
  - only used where the temperature, at the point of entry, is in the range -55°C to +180°C.
  - installed in smooth sheet metal enclosures/gland plates having the following entry sizes:

Catalogue No:	Enclosure hole size		Enclosure wall thickness	
	Minimum mm (inch)	Maximum mm (inch)	Minimum mm (inch)	Maximum mm (inch)
EXAS050xxx	20.0 (0.787)	22.5 (0.885)	1.46 (0.0576)	3.2 (0.126)
EXAS075xxx	25.0 (0.984)	27.5 (1.082)	1.46 (0.0576)	3.2 (0.126)
EXAS100xxx	32.0 (1.259)	34.5 (1.358)	1.46 (0.0576)	3.2 (0.126)
EXAS125xxx	40.0 (1.574)	42.5 (1.673)	1.46 (0.0576)	3.2 (0.126)
EXAS150xxx	50.0 (1.968)	52.5 (2.066)	1.46 (0.0576)	3.2 (0.126)
EXAS200xxx	63.0 (2.480)	65.5 (2.578)	1.46 (0.0576)	3.2 (0.126)
EXAS250xxx	75.0 (2.952)	77.5 (3.051)	1.46 (0.0576)	3.2 (0.126)