1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 09ATEX3224U** Issue: **8**

4 Component: **Type ATEX ABCSS61/SPL and EXE ABCSS6/SPL Range of Enclosures**

5 Applicant: **Hoffman Enclosures Inc.**

6 Address: 2100 Hoffman Way
Anoka
Minnesota
55303
USA

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 Assurance Notification SIRA 09 ATEX M448 or its subsequent Issues.

7 This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-31:2014

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:

II 2 G D
Ex eb IIC Gb
Ex tb IIIC Db

Project Number 80049178

Signed: J A May

Title: Director of Operations

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 09ATEX3224U
Issue 8

13 DESCRIPTION OF COMPONENT

The Type ATEX ABC SS61/SPL and EXE ABC SS6/SPL range of component enclosures are manufactured in painted mild steel, stainless steel or aluminium, which may optionally also be painted. The enclosures consist of a main body, a hinged lid with a latching mechanism, four wall mounting brackets and also up to four gland plates may be provided in the walls of the enclosure. The EXE ABC SS6/SPL range have screw fasteners only. The enclosures provide an ingress protection rating of IP 66.

All enclosures have an internal and external earth facility and the gaskets utilized between the hinged lid and main body are manufactured from silicone.

The enclosures may be manufactured in sizes between 260 x 260 x 125 mm to 1525 x 920 x 460 mm.

Variation 1 - This variation introduced the following changes:

i. The introduction of a new alternative gasket material; U1E21 Polyurethane gasket. Hence the introduction of new service temperature range of -40°C to +70°C.
ii. The increase in service temperature range for the existing Bisco HT-800 silicone gasket from -20°C to +60°C to -55°C to +180°C was approved.
iii. The introduction of smaller sized enclosures to the range, when using screw fasteners only; having sizes between 102 x 102 x 76 mm and 254 x 254 x 127mm was endorsed. These are assigned the EXE ABC SS6/SPL type reference.
iv. The Special Condition for Safe Use and Condition of Certification 17.3 were amended to reflect these changes.

Variation 2 - This variation introduced the following changes:

i. An increase in the maximum height, width and depth dimensions; height (260-2289mm), width (260-927mm for single door or per door for multi-door option) and depth (125-916mm) was approved.
ii. The option to use multiple doors on the enclosures was endorsed.
iii. The addition of optional floor stands was acknowledged.
iv. Following appropriate re-assessment to demonstrate compliance with the requirements of later standards, the documents previously listed, EN 61241-0:2006 and EN 61241-1:2004, were replaced by EN 60079-31:2009.

Variation 3 - This variation introduced the following changes:

i. Drawing 87923753 was amended to reflect the following modifications:
   - The introduction to the range of smaller sized, hinged enclosures. The Condition of Certification was amended to recognise that the smallest enclosure is now 100 x 100 x 76 mm and not 260 x 260 x 125 mm.
   - The introduction to the range of larger sized, screw enclosures. The Condition of Certification was amended to recognise that the largest enclosure is now 489 x 3048 x 458 mm and not 254 x 254 x 127 mm.
   - The quantity of gland plates was removed as more than four may now be utilised.
   - Multiple door locations have been added, these include doors to the rear of the enclosures in addition to the front.
   - The latch spacing details were improved.

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Variation 4 - This variation introduced the following changes:

i. Following appropriate re-assessment, EN 60079-0:2009 and EN 60079-31:2009 were replaced by EN 60079-0:2012 and EN 60079-31:2014, as a result the markings were modified.
ii. The introduction of an increase in the maximum depth of the sheet metal enclosure from 916 mm to 1000 mm.

Variation 5 - This variation introduced the following change:

i. Following appropriate re-assessment, EN 60079-0:2012 and EN 60079-7:2007 were replaced by EN IEC 60079-0:2018 and EN 60079-7:2015+A1:2018 respectively, the markings were amended accordingly. Standard EN 60079-31:2014 is not affected.

Variation 6 - This variation introduced the following changes:

i. Change width dimension of the hinge cover description on page 5 of 8 drawing 87923753 from "B" width dimension of 927mm to 1000mm.
ii. Increase in enclosure material thickness to accommodate increased width dimension.
iii. Addition of material thickness table to correlate the relationship between enclosure dimensions to material thickness.
iv. Change of the notified body number from '0518' to '2813' on the label drawing to reflect the updated ATEX QAN.
v. Removal of CE marking from the component marking label.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	18 February 2010	R18901B/00	The release of the prime certificate.
1	06 April 2011	R18901B/01	Re-Issued to allow R18901B/01 to replace R18901B/00
2	26 March 2012	R26702A/00	The introduction of Variation 1
3	20 April 2012	R27009A/00	The introduction of Variation 2
4	10 October 2014	R70005513A	The introduction of Variation 3.
5	17 August 2015	R70032546A	The introduction of Variation 4.
6	17 June 2019	R70219933A	This Issue covers the following changes: • EC-Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC-Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 5.

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 09ATEX3224U
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Issue	Date	Report number	Comment
7	31 October 2019	1562	Transfer of certificate Sira 09ATEX3224|U from Sira Certification Service to CSA Group Netherlands B.V.
8	09 December 2020	R80049178A	The introduction of Variation 6.

15 SCHEDULE OF LIMITATIONS

15.1 The range of enclosures shall only be used in a service temperature range dependant on which gasket is fitted, as follows.

Gasket material fitted	Service Temperature range
Bisco HT-800 Silicone	–55°C to +180°C
U1E21 Polyurethane	–40°C to +70°C

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

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Certificate Annexe

Certificate Number: **Sira 09ATEX3224U**

Component: **Type ATEX ABC SS61/ SPL and EXE ABC SS6/ SPL Range of Enclosures**

Applicant: **Hoffman Enclosures Inc.**

Issue 0

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
87923753	1 to 4	I	04 Feb 10	Empty enclosure ATEX/IECEx

Issue 1 No new drawings were introduced.

Issue 2

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
87927268	1 to 4	M	21 Feb 12	Empty enclosure ATEX/IECEx

Issue 3

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
87923753	1 to 4	N	19 Apr 12	Empty enclosure ATEX/IECEx

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
87923753	1 to 8	O	16 Sep 14	Empty enclosure ATEX/IECEx

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
87923753	1 to 8	P	22 Jul 15	Empty Enclosure ATEX/IECEx schedule drawing

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
87923753	1 to 8	S	10 Jun 19	Empty Enclosure ATEX/IECEx schedule drawing

Issue 7. No new drawings were introduced.

Issue 8.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
87923753	1 to 8	U	20 Nov 20	Empty Enclosure ATEX / IECEx Schedule Drawing

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