



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx DNV 23.0022X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2023-07-21) Issue 0 (2023-07-10)
Date of Issue:	2024-02-09		
Applicant:	OSCG Co. LTD. #1242, Nakdong-Daero, Sasang-Gu, Busan, Korea Korea, Republic of		
Equipment:	Cable gland for non-armoured cables		
Optional accessory:	OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH, OS-A2F-UFN		
Type of Protection:	Ex db Ex eb Ex tb		
Marking:	Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db		

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-02-09

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





IECEX Certificate of Conformity

Certificate No.: **IECEX DNV 23.0022X**

Page 2 of 5

Date of issue: 2024-02-09

Issue No: 2

Manufacturer: **OSCG Co. LTD.**
#1242, Nakdong-Daero, Sasang-Gu, Busan, Korea
Korea, Republic of

Manufacturing locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[NO/DNV/ExTR23.0012/00](#)

[NO/DNV/ExTR23.0012/01](#)

[NO/DNV/ExTR23.0012/02](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/05](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX DNV 23.0022X**

Page 3 of 5

Date of issue: 2024-02-09

Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This certificate covers the range of cable glands made of brass or stainless steel for the use with non-armoured cables.

OS-A2F-U, Single compression glands

OS-A2F-UE, Single compression glands, marked as Ex "eb"

OS-A2F-UD, Double compression glands

OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH are single compression glands, same as OS-A2F-U, but with additional provision to connect conduits for protection of cables.

OS-A2F-UFN is similar to OS-A2F-UF type's construction and both have a female threaded component. The difference between OS-A2F-UF and OS-A2F-UFN is OS-A2F-UFN is designed to screw by the female threaded component itself, whereas OS-A2F-UF is designed to screw by the whole female threaded component.

Type designation

OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH, OS-A2F-UFN.

For Ex d protection type on a specific request, PF threads, JIS B0202 may be used. The previous edition of standard from which the thread type requirements were applied from IEC 60079-1:2004.

This allowance for the use of "other external thread types" is for the manufacture of replacement entry devices for equipment in existing installations only, that incorporate internal thread types that are no longer permitted by the current edition of EN 60079-1. (EN 60079-1, Ed.7, C.2.2.1 Threaded joints, Note 1). Sizes are described in the descriptive documents.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Additional clamping of cable shall be installed to ensure that pulling and twisting is not transmitted to the terminal.



IECEX Certificate of Conformity

Certificate No.: **IECEX DNV 23.0022X**

Page 4 of 5

Date of issue: 2024-02-09

Issue No: 2

Equipment (continued):

The change of certificate number (IECEX PRE 17.0062X) is due to the change of the certification body's name from DNV Presafe AS to DNV Product Assurance AS, and this change is now applied when update the standards to latest standards. Therefore, the product with previous marking of IECEX PRE 17.0062X and new marking IECEX DNV 23.0022X are allowed to be used together with Service Temperature: -60°C to +110°C

Electrical Data : N/A

Degrees of protection (IP Code)

IP 66/67 according to EN 60079-0 & EN 60529 &
IP X8 according to EN 60529, 5 bar 48 hours

Ambient temperature:

-60°C to +110°C

Routine tests: N/A



IECEx Certificate of Conformity

Certificate No.: **IECEx DNV 23.0022X**

Page 5 of 5

Date of issue: 2024-02-09

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 0: Original issue replaces IECEx PRE 17.0062X

Issue 1: Updated from IEC 60079-7:2015 to IEC 60079-7: 2017.

Issue 2: Inclusion of M80 size, Typo error in type designation tabulation is updated from 1¼"to 1½" for size 50 and removed word "braided" under equipment and equipment description

Annex:

[Annex_1.pdf](#)

Annex to IECEx DNV 23.0022X



Type and sizes of the cable gland:

Type	Entry		Diameter of outer sheath in mm	
	Metric	NPT	Min	Max
16	M12x1.5 M16x1.5 M20x1.5	½"	3	7
16X	M16x1.5 M20x1.5	½" or ¾"	5	10.3
20S	M20x1.5 M25x1.5	½" or ¾"	6	10.5
20	M20x1.5 M25x1.5	½" or ¾"	9	15.3
25	M25x1.5	¾" or 1"	13	20
32	M32x1.5	1" or 1 ¼"	17	26.5
40	M40X1.5	1 ¼" or 1 ½"	22	32
50	M50X1.5	1 ½" or 2"	30	42
63	M63X1.5	2" or 2 ½"	39	51
63X	M63X1.5	2 ½"	46	55
75	M75X1.5/2	2 ½" or 3"	54	61
75X	M75X1.5/2	3"	58	68
80	M80X1.5/2	3" or 3 ½"	66	73
90	M90x1.5/2	3" or 3 ½"	66	78
100	M100x1.5/2	3 ½" or 4 "	77	89
115	M115x1.5/2	4"	88	101