



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 PRE 17.0062X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2020-01-07)
Date of Issue:	2021-03-18		Issue 2 (2019-11-22)
Applicant:	OSCG Co. Ltd. 1242, Nakdong-Daero, Sasang-Gu, Busan Korea, Republic of		Issue 1 (2018-05-16)
Equipment:	Cable Glands for non-armoured & Braided - OS-A2F		Issue 0 (2018-01-19)
Optional accessory:	OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F -UEP, OS-A2F- UF, OS-A2F-UMH		
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:

Bjørn Spongsveen

Position:

Certification Manager

Signature:
(for printed version)

Date:

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 3
Hovik 1363
Norway





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Date of issue: 2021-03-18

Issue No: 4

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

Additional
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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/PRE/ExTR17.0066/00](#)
[NO/PRE/ExTR17.0066/03](#)

[NO/PRE/ExTR17.0066/01](#)
[NO/PRE/ExTR17.0066/04](#)

[NO/PRE/ExTR17.0066/02](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Certificate covers the range of cable glands made of brass or stainless for the use with circular braided and 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 as same as OS-A2F-U with additional provision to connect conduits for protection for cables.

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 60079-1:2001.

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 IEC 60079-1. (IEC 60079-1, Ed.7, C.2.2.1 Threaded joints, Note 1).

Degrees of protection (IP Code):

IP66/67 according to IEC 60079-0 & IEC 60529.

IP 68 according to IEC 60529, 5 bar 48 hours.

Sizes are described in the descriptive document.

Service Temperature: -60°C to +110°C

See Annex for details

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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

00-Initial issue

01-Assessment to include PF threads.

02-To include A2F-16 size with M12 threads with 3 mm minimum cable dimension

03-To include IP X8 assessment

04- Assessment for the new size A2F-20S & IEC 60079-0 Ed.7

Annex:

[Annex to certificate IECEx PRE 17.0062X.pdf](#)

Annex to certificate: IECEx PRE 17.0062X

Type designation: OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH

Type	Entry		Diameter of outer sheath mm	
	Metric	NPT	Min	Max
16	M12x1.5 M16x1.5 M20 x1.5	1/2"	3	7
16X	M16x1.5 M20x1.5	1/2" or 3/4"	5	10.3
20S	M20x1.5 M25x1.5	1/2" or 3/4"	6	10.5
20	M20x1.5 M25x1.5	1/2" or 3/4"	9	15.3
25	M25x1.5	3/4" or 1"	13	20
32	M32x1.5	1" or 1 1/4"	17	26.5
40	M40X1.5	1 1/4" or 1 1/2"	22	32
50	M50X1.5	1 1/4" or 2"	30	42
63	M63X1.5	2" or 2 1/2"	39	51
63X	M63X1.5	2 1/2"	46	55
75	M75X1.5/2	2 1/2" or 3"	54	61
75X	M75X1.5/2	3"	58	68
90	M90x1.5/2	3" or 3 1/2"	66	78
100	M100x1.5/2	3 1/2" or 4 "	77	89
115	M115x1.5/2	4"	88	101