



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

Certificate No.: IECEx PRE 15.0018X

Issue No: 1

Certificate history:

Issue No. 1 (2017-12-22)

Issue No. 0 (2015-05-15)

Status: **Current**

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Date of Issue: **2017-12-22**

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

Equipment: **Cable Glands armoured & braided cables: E1XF & E1WF**
Optional accessory:

Type of Protection: **Ex e/ Ex d/ Ex tb**

Marking:
Ex db IIC Gb
Ex eb IIC Gb
Ex tb III C 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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DNV Nemko Presafe AS
Gautadalleen 30
P.O.Box 73 Blindern
0314 Oslo
Norway





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Date of Issue: 2017-12-22 Page 2 of 4
Manufacturer: **OSCG Co. Ltd.**
1242, Nakdong-Daero, Sasang-Gu, Busan,
Korea, Republic of

Additional Manufacturing location(s):

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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	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:

[NO/PRE/ExTR15.0020/00](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers a range of cable glands made of brass or stainless steel, intended for use with circular armoured cables. Clamping inserts allow 360° contact to cable armour.

E1XF is intended to be used for braided cables.

E1WF is intended to be used for armoured cables.

Optionally lead sheath washer is provided for the electrical connection to a layer of lead or other metallic sheath.

Refer Annex for the sizes.

Degrees of protection (IP Code): IP66/67 according to IEC 60079-0 & IEC 60529

Service Temperature: -60°C to +110°C.

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 to particular size.

01- Assessment range of glands in E1XF & E1WF glands

Annex:

[Annex to IECEX PRE 15.0018X.pdf](#)

Annex to certificate: IECEx PRE 15.0018X

E1XF/ E1WF:

Type E1XF/E1WF	Entry		Diameter of Inner sheath [mm]		Diameter of outer sheath mm	
	Metric	NPT	Min	Max	Min	Max
16A	M16x1.5	½"	5,0	8,0	8,0	13,0
16B	M20x1.5		7,0	11,0	12,0	15,1
20A	M20x1.5	½" or ¾"	8,0	13,1	13,0	17,5
20B			13,0	15,1	16,0	19,5
25A	M25x1.5	¾" or 1"	13,0	17,5	17,5	22,0
25B			17,0	19,5	21,0	26,0
32A	M32x1.5	1" or 1 ¼"	17,5	22,5	22,0	28,0
32B			22,0	26,0	27,0	32,0
40A	M40x1.5	1 ¼" or 1 ½"	22,0	28,5	30,0	35,0
40B			28,0	32,0	35,1	40,0
50A	M50x1.5	1 ½" or 2"	30,0	35,5	38,0	45,0
50B			35,0	41,5	43,0	50,0
63A	M63x1.5	2" or 2 ½"	38,0	45,5	48,0	53,0
63B			45,0	50,5	51,0	56,0
63C			49,0	53,5	55,0	60,0
75A	M 75x1.5/2	2 ½" or 3"	49,0	56,0	56,0	62,0
75B			55,0	60,0	62,1	66,0
75C			59,0	62,0	66,1	70,0
75D			61,0	66,0	68,0	75,0
90A	M90x1.5/2	3" or 3 ½"	63,0	70,5	74,0	83,0
90B			68,0	77,0	82,0	90,0
100A	M100x1.5/2	3 ½" or 4"	73,1	80,0	89,0	94,0
100B			79,0	85,0	93,0	98,0