



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 17.0054X

Issue No: 1

Certificate history:

[Issue No. 1 \(2018-06-14\)](#)

[Issue No. 0 \(2017-12-01\)](#)

Status: **Current**

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Date of Issue: **2018-06-14**

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

Equipment: **OSGP Junction Box**

Optional accessory:

Type of Protection: **Ex e, Ex tb**

Marking:
Ex eb IIC T5/T6 Gb, refer description
Ex tb IIIC T72°C/T57°C Db, refer description
Ex eb I Mb

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

Asle Kaastad

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](#).

Certificate issued by:

DNV GL Nemko Presafe AS
Veritasveien 3
1363 Høvik
Norway





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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 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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

IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*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/ExTR17.0047/00](#)

[NO/PRE/ExTR17.0047/01](#)

[NO/PRE/ExTR17.0047/02](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

OSGP is junction box with terminals with type designation from 1 to 11.
ex., OSGP 1, OSGP 2...upto OSGP 11.

The enclosure is supplied with certified terminals within the scope of descriptive documentation. The equipment also uses the certified empty enclosure OSGP (1-11) from the certificate IECEx PRE 16.0083U.

SPECIFIC CONDITIONS OF USE: YES as shown below:

For Group I application, the enclosure was tested to lower impact test requirement and shall be used in an area where there is risk of low mechanical danger.

The fasteners shall be not be changed to the other types, the fasteners shall only be replaced with identical one. Contact manufacturer for details regarding fasteners.

Cables shall have operating temperature atleast 85°C for Tclass T6, 100 °C for Tclass T5.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

00- Initial issue

01- Assessment for new terminal sizes and inclusion of new variant

Annex:

[Annex to IECEx PRE 17.0054X Issue 1.pdf](#)

Annex to certificate: IECEx PRE 17.0054X Issue 01

Box type	Max current(A)									T Class and Ambient	Power Dissipation (W)
	Terminal size in mm2										
	2,5	4	6	10	16	35	50	70	95		
OSGP 1	15,7	21,2	29,7		-	-	-	-	-	Maximum ambient - 60°C to +40 for the T class: T6	6.17
OSGP 2	16	20,8	28	37,3	-	-	-	-	-		9.78
OSGP 3	15,8	20,7	28	36,1	-	-	-	-	-		12.23
OSGP 4	16,4	20,9	28,4	37,2	49,9	-	-	-	-		14.89
OSGP 5	15,8	20,6	28,1	36,4	47,4	72,7	-	-	-		16.17
OSGP 6	16,4	20,9	28,3	36,8	47,7	69,3	-	-	-	Maximum ambient - 60°C to +55 for the T class: T5	18.03
OSGP 7	17	21,6	28,5	37	46	71,2	-	-	-		21.87
OSGP 8	16	21,3	28,1	37,6	46,5	70,7	-	-	-		23.34
OSGP 9	15,7	21,4	28,4	37,1	47,1	69,2	-	-	-		28.98
OSGP 10	15,6	21	28	37,2	50	71,8	120	150	150		31.03
OSGP 11	Same parameters as OSGP 10										
Maximum ambient -60°C to +40°C for the T class : T6 , for Ex t T57°C Maximum ambient -60°C to +55°C for the T class : T5, for Ex t T72°C											
Current values given in table above shall be used in installation, the terminal rated current is not be used.											

Type	Junction Box Size(mm)		
	W	H	D
OSGP1	122	120	90
OSGP2	160	160	90
OSGP3	260	160	90
OSGP4	360	160	90
OSGP5	255	250	124
OSGP6	255	250	162
OSGP7	400	250	124
OSGP8	400	250	162
OSGP9	405	400	124
OSGP10	405	400	162
OSGP 11	405	400	200