



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 18.0083X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-02-13\)](#)

Status: **Current**

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Date of Issue: **2019-02-13**

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

Equipment: **TOP Stainless Steel Junction Box**

Optional accessory:

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

Marking: Ex eb IIC T6 Gb / Ex tb IIIC T57°C Db, -60°C ≤ Ta ≤ +40°C

Ex eb IIC T5 Gb / Ex tb IIIC T72°C Db, -60°C ≤ Ta ≤ +55°C

*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 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	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/ExTR18.0095/00](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

TOP JB's are range of enclosure with terminals. The enclosure is supplied with certified terminals within the scope of descriptive documentation.

The equipment uses the certified empty enclosure TOP JB from the certificate IECEx PRE 18.0020U.

Refer ANNEX for more details.

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

Cables shall have operating temperature at least 85°C for Tclass T6 and 100°C for Tclass T5.

Annex:

[Annex to IECEx certificate.pdf](#)

Annex to certificate: IECEx PRE 18.0083X

MODEL	Conductor mm2	Current A	Power W
TOP 151508	2,5	16	5.10
	4	21	5.25
	6	28	5.48
	10	40	5.60
TOP 151510 TOP 151512	2,5	16	5.71
	4	21	5.91
	6	28	6.45
	10	40	5.73
TOP 202012 TOP 202016	2,5	16,5	7.66
	4	21	8.05
	6	28	7.83
	10	41,7	7.69
	16	53	7.69
	35	83,2	7.68
TOP262616 TOP262620	2,5	16	12.94
	4	21	13.49
	6	28,2	13.02
	10	41	13.23
	16	51	12.96
	35	81,9	12.94
	50	120	15.72

TOP 303016 TOP 303020	2,5	16	14.45
	4	21	15.02
	6	28	15.40
	10	40	15.36
	16	50	16.71
	35	81,9	16.25
	50	120	16.76
TOP 263816 TOP 263820	2,5	16	12.73
	4	21,5	13.66
	6	28,3	13.22
	10	40	13.39
	16	52	13.92
	35	80	13.93
	50	120	13.09

MODEL	Conductor mm2	Current A	Power W
TOP 404016 TOP 404020	2,5	16	21.61
	4	21	22.53
	6	28	22.30
	10	40	22.78
	16	50	22.42
	35	81,2	21.62
TOP 355016 TOP 355020 TOP 355025	50	120	29.20
	70	145	23.41
	2,5	16	19.61
	4	21	20.23
	6	28	20.82
	10	40	20.52
TOP 505016 TOP 505020 TOP 505025	16	50	19.79
	35	80,8	19.66
	50	120	20.33
	70	145	20.60
	2,5	16	24,97
	4	21	25,85
TOP 456220 TOP 456225 TOP 456230	6	28	25,37
	10	40,1	27,61
	16	50,6	25,04
	35	81,2	25,03
	50	120	33,33
	70	145	27,58
TOP 456220 TOP 456225 TOP 456230	2,5	16	30
	4	21	31,18
	6	28	31,23
	10	40	32,05
	16	50	31,15
	35	80	32,39
TOP 456220 TOP 456225 TOP 456230	50	121,2	30,04
	70	146	30,03
	120	210	31,83

Annex to certificate: IECEx PRE 18.0083X

MODEL	Conductor mm ²	Current A	Power W
TOP 557420 TOP 557425 TOP 557430	2,5	16	37,14
	4	21	38,58
	6	28,2	37,37
	10	40	37,66
	16	50,7	37,28
	35	80,2	37,16
	50	120	39,92
	70	145	39,95
	120	210	43,73
TOP 648620 TOP 648625 TOP 648630	2,5	16	48,48
	4	21	50,54
	6	28	49,74
	10	40	49,24
	16	50,5	48,5
	35	80	49,7
	50	120	51,73
	70	145	51,62
	120	210	49,09
TOP 1007520 TOP 1007525 TOP 1007530	2,5	16	67,09
	4	21	67,88
	6	28	68,76
	10	40	67,19
	16	50,8	67,26
	35	81,1	67,14
	50	120,9	67,1
	70	146,2	67,12
	120	210	73,91

MODEL	Conductor mm ²	Current A	Power W
TOP 10010020 TOP 10010025 TOP 10010030	2,5	16	75,38
	4	21	76,18
	6	28	77,21
	10	40,1	75,67
	16	50	76,74
	35	80	77,33
	50	123,3	76,65
	70	147	75,45
	120	210	81,78
TOP 8012030 TOP 8012040 TOP 8012050	2,5	16	80,28
	4	21	81,29
	6	28,2	80,7
	10	40	81,63
	16	50	83,11
	35	80,5	80,37
	50	120	83,71
	70	145	83,85
	120	210	83,96
TOP 10014030 TOP 10014040 TOP 10014050	2,5	16	100,84
	4	21	102,38
	6	28	101,61
	10	40	100,82
	16	50	102,1
	35	80	103,96
	50	120	106,71
	70	147,3	100,82
	120	210	109,38