



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 NEM 13.0021X	Issue No: 2	<u>Certificate history:</u> Issue No. 2 (2015-03-26) Issue No. 1 (2014-08-19) Issue No. 0 (2013-12-19)
Status:	Current	Page 1 of 4	
Date of Issue:	2015-03-26		
Applicant:	Tranberg Strandsvingen 6 4032 Stavanger Norway		
Electrical Apparatus: <i>Optional accessory:</i>	Cable Glands		
Type of Protection:	Increased safety		
Marking:	Ex eb IIC		

*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](http://www.iecex.com).

Certificate issued by:

NEMKO
Gaustadelleen 30
Oslo N-0314
Norway





IECEX Certificate of Conformity

Certificate No: IECEX NEM 13.0021X Issue No: 2
Date of Issue: 2015-03-26 Page 2 of 4
Manufacturer: **Tranberg**
Strandsvingen 6
4032 Stavanger
Norway

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 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

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/NEM/ExTR13.0019/00 NO/NEM/ExTR13.0019/01 NO/NEM/ExTR13.0019/02

Quality Assessment Report:

NO/NEM/QAR10.0006/02



IECEX Certificate of Conformity

Certificate No: IECEx NEM 13.0021X

Issue No: 2

Date of Issue: 2015-03-26

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers cable glands for circular and non-circular cables. The cable glands (E204 and E205) have silicone sealing ring, silicone O-ring (E204) and PTFE gaskets (E205). The certificate also covers with plug arrangement to ensure IP66/67 until a cable is installed.

Ingress Protection

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

CONDITIONS OF CERTIFICATION: YES as shown below:

Service temperature -60°C to + 135°C

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



IECEX Certificate of Conformity

Certificate No: IECEx NEM 13.0021X

Issue No: 2

Date of Issue: 2015-03-26

Page 4 of 4

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

Issue 0, Primary certificate

Issue 1, Extension of range (Sealing ring code:A1, B1, C1, D1, D2, L1, N1 and O1)

Issue 2, Extension of range (Sealing ring code:B2,C3, D3,D4,D5,D7,D8,D9, E2,F2,G2,I2, J2,K2, L3,L4,M2,N2, O3, O4)

Annex:

[Annex to IECEx NEM 13.0021X issue 02.pdf](#)



ANNEX to IECEx Certificate of Conformity

IECEX NEM 13.0021X Issue 02

ANNEX to Certificate of Conformity NEM 13.0021X Issue 2.

Description of Equipment or Protective System

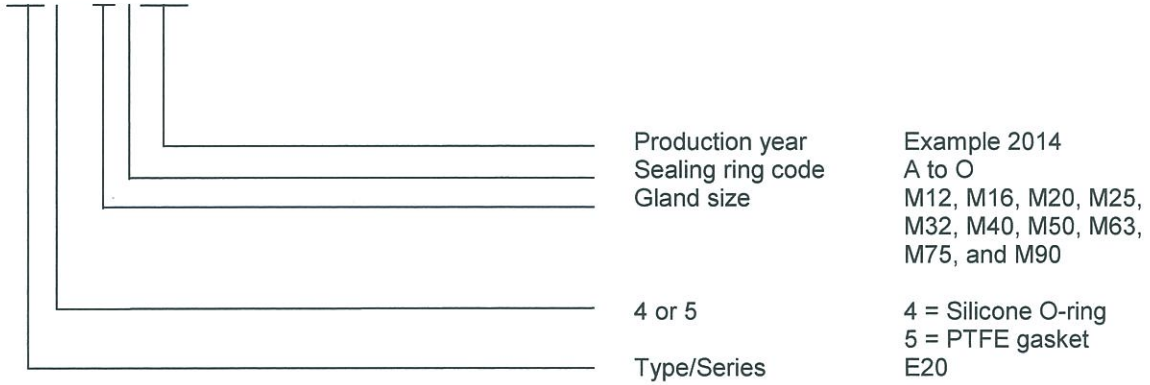
Cable glands

Technical data

Service temperature -60°C to +135°C

Type designation

E20x/Mxx/x xxxx





ANNEX to IECEx Certificate of Conformity

IECEx NEM 13.0021X Issue 02

Page 2 of 2

Sealing ring code	Cable size max/min	Sealing ring code	Cable size max/min
A1	2 - 6	H1	35 - 41
B1	5 - 9,1	I1	40 - 44,5
B2	4.5-7.5	I2	38.4- 43
C1	9 - 14,3	J1	44 - 50,5
C2	6 - 10	J2	42-46
C3	8.5-13	K1	50 - 56,5
D1	15 - 20,1	K2	47-53
D2	11 - 15	L1	55 - 59
D3	5 x 11	L2	58 - 63
D4	5 x 13	L3	53-58
D5	5 x 15	L4	56-62
D7	2 x 5 x11	M1	62 - 68
D8	2 x 5x14	M2	60 - 66
D9	13-17	N1	68 - 72
E1	20 - 26,5	N2	65-70
E2	18-23	O1	72 - 78
F1	26,5 - 32,4	O2	78 - 83
F2	23-29	O3	69-75
G1	32 - 38,5	O4	75-81
G2	29-35		