

[1] EC TYPE-EXAMINATION CERTIFICATE

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: Nemko 13 ATEX 1548X Issue 02

[4] Equipment or Protective System: Cable glands

[5] Applicant / Manufacture: Tranberg AS
**[6] Address: Strandsvingen 6
4032 Stavanger
Norway**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. D0000745 rev.2

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2012, EN 60079-7: 2007

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following :

**II 2 G****Ex eb IIC**

Oslo, 2013-03-26

Asle Kaastad
Asle Kaastad
Certification Manager

This certificate may only be reproduced in its entirety and without any change, schedule included.

[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 13ATEX1548X

Description of Equipment or Protective System

This certificate covers cable glands for circular and non-circular cables. The 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 EN 60079-0 & EN 60529

Type designation and technical data

E20x/Mxx/x xxxx



Production year
Sealing ring code
Gland size

4 or 5

Type/Series

Example 2013
A to O
M12, M16, M20, M25,
M32, M40, M50, M63, M75,
and M90
4 = Silicone O-ring
5 = PTFE gasket
E20

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 x 11	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		

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[16] Report Number 231566

Issue	Date	Report	Description
0	2013-12-19	231566	Prime Certificate released.
1	2014-08-19	D0000745 rev.1	Issue 1 – Extension of the range of glands and cable size.
2	2015-03-26	D000745 Rev.2	Issue 2- Extension of the range of glands and cable size.

Descriptive Documents

Name/Title	Rev.	Date	Name/Number	Sheet No
Master document	G	2015-03-17	TCL3825	1

[17] Special Conditions for Safe Use

Service temperature -60°C to +135°C

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

[18] Essential Health and Safety Requirements
See item 9

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Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

Office address:
Gaustadalléen 30
0373 OSLO

Telephone:
+47 22 96 03 30
Fax:
+47 22 96 05 50

Enterprise number:
NO 974404532