



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 13.0025X

issue No.:1

Certificate history:

Issue No. 1 (2014-5-28)

Issue No. 0 (2013-12-19)

Status: **Current**

Date of Issue: **2014-05-28**

Page 1 of 5

Applicant: **Tranberg AS**
Strandsvingen 6
4032 Stavanger
Norway

Electrical Apparatus: **Blanking Elements and Adaptors**
Optional accessory:

Type of Protection: **Increased Safety / Flameproof**

Marking: Ex d IIC Gb
Ex e IIC Gb
Ex eb IIC

Approved for issue on behalf of the IECEx
Certification Body:

Arne Hortman

Position:

Certification Manager

Signature:
(for printed version)



2014-05-28

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 13.0025X

Date of Issue: 2014-05-28

Issue No.: 1

Page 2 of 5

Manufacturer: **Tranberg AS**
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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2006-07 Edition: 4	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/NEM/ExTR13.0034/00](#)

[NO/NEM/ExTR14.0013/00](#)

Quality Assessment Report:

[NO/NEM/QAR10.0006/02](#)



IECEx Certificate of Conformity

Certificate No.: IECEx NEM 13.0025X

Date of Issue: 2014-05-28

Issue No.: 1

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers blanking elements, radial adaptors and angular adaptors with metric and NPT threads, made of brass or stainless steel. The gaskets are with silicone O-ring or PTFE.

Technical data

IP66/67 Metric
IP54 NPT threads

Operating temperature -60°C to +135°C

For type designation, see Annex-NEM13.0025 Issue 1

CONDITIONS OF CERTIFICATION: YES as shown below:

Only one adaptor is permitted for each cable entry, blanking elements shall not be used with adaptors

The operational temperature is -60°C to +135°C

When NPT threads are used with Ex d enclosure, threads must conform to ANSI/ASME B1.20.1



IECEx Certificate of Conformity

Certificate No.: IECEx NEM 13.0025X

Date of Issue: 2014-05-28

Issue No.: 1

Page 4 of 5

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

Implementation of radial adaptors, angular adaptors and NPT threads.
X-marking also introduced.



IECEx Certificate of Conformity

Certificate No.: IECEx NEM 13.0025X

Date of Issue: **2014-05-28**

Issue No.: **1**

Page 5 of 5

Additional information:

See Annex IECEx NEM 13.0025 Issue 1

Annex: [Annex IECEx NEM 13.0025 Issue 1.pdf](#)



ANNEX to IECEx Certificate of Conformity

IECEx NEM 13.0025 Issue 1.

Page 1 of 2

ANNEX to Certificate of Conformity NEM 13.0025 Issue 1.

Description of Equipment or Protective System

This certificate covers blanking elements, radial adaptors and angular adapters with metric and NPT threads, made of brass or stainless steel. The gaskets are with silicone O-ring or PTFE.

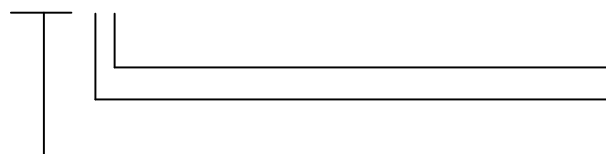
Technical data

Ingress protection	IP66/67	(Metric)
	IP54	(NPT threads)

Model designation

Blanking elements:

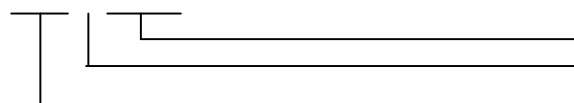
TEF79x x



A or B	Type A or type B
3 or 4	3 = Ex d or Ex e
	4 = Ex e
Model/Series	TEF79 (Blanking elements)

Size / thread size
M10 to M100 (pitch 1,5 and 2)
NPT 1/2" to 3"

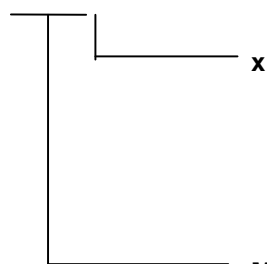
TEF794 M28x1



M28x1	Thread size
4	4 = Ex e
Model/Type	TEF794 (special blanking)

Adaptors:

TEF66x



0 = Radial Male / Female thread	Ex d / Ex e
1 = Radial Male / Male thread	Ex d / Ex e
2 = Radial Female / Female thread	Ex d / Ex e
3 = Angular fixed rotation Male / Female Thread	Ex e
4 = Angular adjustable rotation Male / Female Thread	Ex e
5 = Radial Male / Male	Ex e

Model/series **TEF66x = adaptors**



ANNEX to IECEx Certificate of Conformity

IECEx NEM 13.0025 Issue 1.

Page 2 of 2

Model	Male thread	Female thread
TEF660	M12 to M90 (pitch 1,5 and 2) NPT 1/2" to 3"	M12 to M90 (pitch 1,5 and 2) NPT 1/2" to 3"
TEF661	M12 to M90 (pitch 1,5 and 2) NPT 1/2" to 3"	
TEF662		M12 to M90 (pitch 1,5 and 2) NPT 1/2" to 3"
TEF663	M20, M25 and M32 (pitch 1,5 and 2)	M20, M25, M32 (pitch 1,5 and 2) NPT 1/2" to 3"
TEF664	M20, M25 and M32 (pitch 1,5 and 2)	M20, M25 and M32 (pitch 1,5 and 2) NPT 1/2", 3/4", 1" and 1 1/2"
TEF665	M25, M32, M40 and M50 (pitch 1,5)	