

[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 13ATEX1553X Issue 1**

[4] Equipment or Protective System: **Blanking elements, adaptors and angle adaptors**

[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. D0001184




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

EN 60079-0: 2012, EN 60079-1: 2007, 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 d IIC Gb
 II 2 G Ex e IIC Gb
 II 2 G Ex eb IIC

Oslo, 2014-05-28

Arne Hortman
Certification Manager, Ex-products

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 13ATEX1553X

[15] Description of Equipment or Protective System

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.

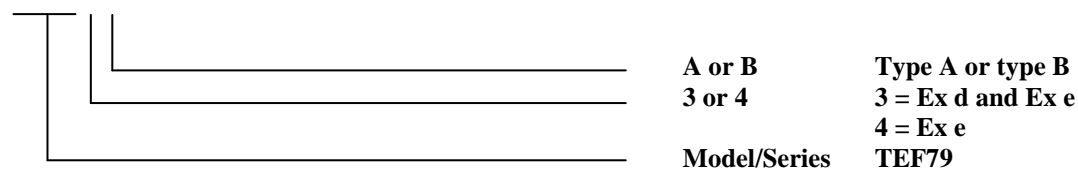
Technical data

Ingress protection	IP66/67	(Metric threads)
	IP54	(NPT threads)
Operating temperature	-60°C to +135°C	

Model designation

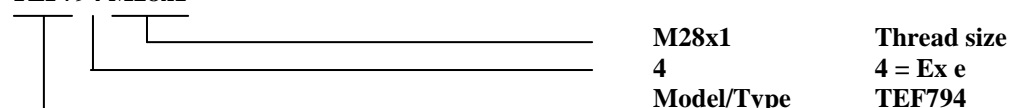
Blanking elements:

TEF79x x



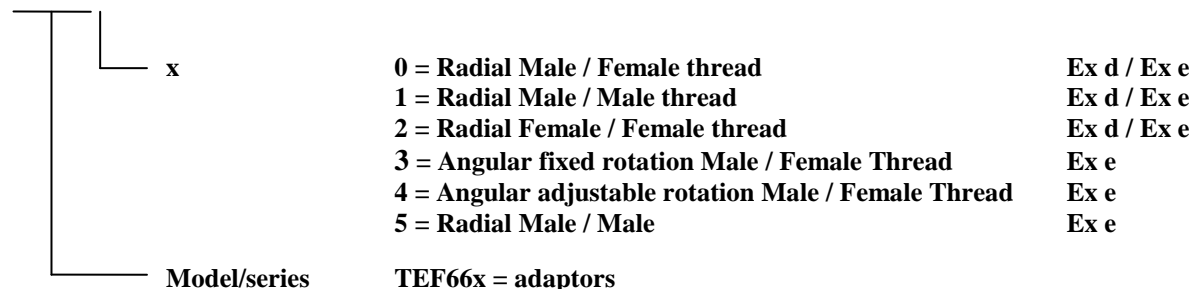
Size / thread size
M10 to M100 (pitch 1,5 and 2)
NPT 1/2" to 3"

TEF794 M28x1



Adaptors:

TEF66x



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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)	

[16] Report Number D0001184

Issue	Date	Report	Description
0	2013-12-19	231567	Prime certificate release
1	2014-05-28	D0001884	Implementation of radial adaptors, angular adaptors and NPT threads. X-marking also introduced

Descriptive Documents

Name/Title	Rev.	Date	Name/Number	Sheet No
Master document	D	2014.05.23	TCL3952	1

[17] Special Conditions for Safe Use

1. Only one thread adaptor is permitted for each cable entry, blanking elements shall not be used with adaptors.
2. The operational temperature range is -60°C to +135°C.
3. When NPT threads are used with Ex d enclosure, threads must conform to ANSI/ASME B1.20.1

[18] Essential Health and Safety Requirements

See item 9

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