



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

Certificate No.: IECEx INE 15.0035X Issue No: 0 Certificate history:  
Issue No. 0 (2015-10-07)

Status: **Current** Page 1 of 3

Date of Issue: **2015-10-07**

Applicant: **TechNed BENELUX BV**  
Veersteeg 15  
4212 LR Spijk  
**The Netherlands**

Electrical Apparatus: **CABLE GLANDS TYPE TB-P... or TB-B...**  
*Optional accessory:*

Type of Protection: **d, e, tb**

Marking:  
Ex d IIC Gb, Ex d I Mb  
Ex e IIC Gb, Ex e I Mb  
Ex tb IIIC Db  
IP66

Approved for issue on behalf of the IECEx  
Certification Body:

Olivier COTTIN

Position:

Head of Equipment and Corporate Services Unit

Signature:  
(for printed version)

Date:

2015.10.07



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:

**INERIS**  
Institut National de l'Environnement Industriel  
et des Risques  
BP n2  
Parc Technologique ALATA  
F-60550 Verneuil-En-Halatte  
France

INERIS is accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation is available on COFRAC website [www.cofrac.fr](http://www.cofrac.fr))

The certification rules are available on the INERIS website [www.ineris.fr](http://www.ineris.fr).



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Manufacturer: **TechNed BENELUX BV**  
Veersteeg 15  
4212 LR Spijk  
**The Netherlands**

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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2006-07</b> 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:

[FR/INE/ExTR15.0048/00](#)

Quality Assessment Report:

[NL/DEK/QAR11.0036/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

This range of cable glands type TB-P... or TB-B..., made in stainless steel or brass nickel plated is protected by flameproof enclosure, increased safety and dust protection. They may be fitted on "Ex d", "Ex e", "Ex tb", "Ex i", "Ex m", "Ex p" and "Ex n" equipment. These cable glands are foreseen, in accordance with the type, for armoured or non armoured cables. In accordance to the type, the cable gland can be realised with single or double sealing ring. The cable glands type TB-B... is provided with a sealing bushing. These cable glands gets the degrees of protection IP66 according to IEC 60529 standard.

### CONDITIONS OF CERTIFICATION: YES as shown below:

- The temperature of the enclosure, at the connection point of the cable gland must not exceed +100°C with sealing ring in EPDM with or without sealed compound.
- The minimum temperature for use is -40°C.
- For sizes 6, 7, 8 and 8A groups IIC and IIIC, the clamping of the cables must be realized outside nearby to the enclosure on which the cable gland is installed.
- For sizes 1, 2, 3, 4 and 5 group I, during the installation, the user will take into consideration that the cable gland underwent only a shock corresponding to an energy of a low risk.
- These cable glands, group I, must not be exposed to the chemical agents during the use.

### Annex:

[IECEX INE 15.0035X-00\\_Annex.pdf](#)



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## PARAMETERS RELATING TO THE SAFETY

The cable glands can be used for cables with diameter from 4 mm to 68 mm.

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

### A - Cable glands size 1 to 8A :

- TechNed BENELUX BV
- The Netherlands
- TB-B... or TB-P... (\*)
- IECEx INE 15.0035X
- Ex d IIC Gb / Ex e IIC Gb
- Ex tb IIIC Db
- IP66
- (Type and size of the thread)

### On the sealing ring:

- Indication of the minimum and maximum diameters.

### On the small cable glands the marking can be reduced at :

- Tb-nl
- TB-B... or TB-P... (\*)
- IECEx INE 15.0035X
- Ex d/e/tb
- (Type and size of the thread)

### B - Cable glands size 1 to 5 :

- TechNed BENELUX BV
- The Netherlands
- TB-B... or TB-P... (\*)
- IECEx INE 15.0035X
- Ex d I Mb / Ex e I Mb
- (Type and size of the thread)

### On the sealing ring:

- Indication of the minimum and maximum diameters.



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**On the small cable glands the marking can be reduced at :**

- Tb-nl
- TB-B... or TB-P... (\*)
- IECEx INE 15.0035X
- Ex d/e
- (Type and size of the thread)

(\*) The type is completed by a letters and numbers in accordance with the manufacturing variations.

**ROUTINE EXAMINATIONS AND TESTS**

None.