



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx CES 17.0029X** Page 1 of 4 **Certificate history:**  
Status: **Current** Issue No: 4  
Date of Issue: 2025-09-23  
Applicant:

**Bimed Teknik Aletler San. Ve Tic. A.Ş.**  
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı  
No: 1  
TR-34555 Arnavutköy, İstanbul  
Türkiye

Equipment: **Barrier cable glands, series KBCTA\*\*, KBCTN\*\*, KBCTNLS\*\* (CenTAURUS)**

Optional accessory:

Type of Protection: **Flameproof enclosures 'd'; increased safety 'e'; Dust ignition protection 't'**

Marking:  
*For KBCTA\*\* and KBCTN\*\* types, only:*  
**Ex db I Mb and Ex eb I Mb**

*For all series and types:*

**Ex db IIC Gb and Ex eb IIC Gb**

**Ex tb IIIC Db**

**IP66/68**

Approved for issue on behalf of the IECEx  
Certification Body:

**Alessandro Fedato**

Position:

**Head of IECEx CB**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**CESI**  
Centro Elettrotecnico  
Sperimentale Italiano S.p.A.  
Via Rubattino 54  
20134 Milano  
Italy

**CESI**



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Date of issue: 2025-09-23

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Manufacturer: **Bimed Teknik Aletler San. Ve Tic. A.Ş.**  
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1  
TR-34555 Arnavutköy, İstanbul  
**Türkiye**

Manufacturing locations: **Bimed Teknik Aletler San. Ve Tic. A.Ş.**  
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1  
TR-34555 Arnavutköy, İstanbul  
**Türkiye**

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[IT/CES/ExTR17.0007/00](#)  
[IT/CES/ExTR17.0007/03](#)

[IT/CES/ExTR17.0007/01](#)  
[IT/CES/ExTR25.0019/00](#)

[IT/CES/ExTR17.0007/02](#)

### Quality Assessment Report:

[IT/CES/QAR12.0003/12](#)



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Date of issue: 2025-09-23

Issue No: 4

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Barrier glands **KBCTA\*\***, **KBCTN\*\***, **KBCTNLS\*\*** series (commercial gland family named CENTAURUS) are suitable for inserting single cable or multiple circular cores into Ex db enclosures having threaded entries and Ex eb or Ex tb enclosures having either threaded or plain entries. Attachment of the glands to an enclosure is by means of the male threaded portion on the male body. The epoxy filling compound type **epoxy putty** is used to seal cores and gland body together and to clamp the cables to prevent pulling or twisting forces being transmitted to the conductor's connections.

Ingress protection of IP66/68 (50 m for 30 min.) is maintained when the glands are installed in accordance with the manufacturer's instructions.

**The Barrier gland types KBCTN\*\* and KBCTNLS\*\* are designed for non-armoured cables while the Barrier glands type KBCTA\*\* are designed for SWA (steel wire armoured) cables, SWB (steel wire braided) and STA (steel tape armoured) cables.**

**The Barrier gland types KBCTN\*\* and KBCTA\*\* are designed for Group I and Group II applications while KBCTNLS\*\* is designed for Group II applications only.**

The Barrier cable glands characteristics are further described in the Annexe of this certificate.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

The coupling of the Barrier cable glands with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order to respect the type of protection of the electrical apparatus on which Barrier cable glands are mounted.

The Barrier cable glands shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.

When the cores will be fitted inside the sealing pot by filling compound, the mounting should guarantee a sufficient quantity of compound around each single core to ensure the clamping of the cemented joint. This shall be done as indicated in the manufacturer instructions.

The Barrier cable glands **KBCTN\*\*** and **KBCTA\*\*** series have to be protected from hydraulic fluids, oils and greases when applied for Group I (mines) use.

The Barrier cable glands **KBCTA\*\*** series for braided cables (SWB types) and **KBCTNLS\*\*** series are not admitted when applied for Group I (mines) use.

The Barrier cable glands should be installed within the following ambient/service temperature ranges:

- from - 60°C up to + 100°C for models with Silicon flat washers;
- from - 50°C up to + 80°C for models with Fiber flat washers.

The degree of protection IP 66/68 according to the IEC 60529 standard will be guaranteed for the Barrier cable glands if the holes into which they are mounted are suitably sealed. To this scope the correct positioning of the gaskets (for cylindrical threads) or the application of sealant on the threads (for tapered threads), shall be done as indicated in the manufacturer instruction



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

### Issue 3

#### **Variation 3.1**

The certified Barrier cable glands, series KBCTA\*\*, KBCTN\*\*, KBCTNLS\*\* (CenTAURUS) previously assessed in compliance to IEC 60079-0:2011 Edition 6 and IEC 60079-7:2015 Edition 5, has been re-assessed on the basis of the Standard IEC 60079-0:2017 Edition 7 and IEC 60079-7:2017 Edition 5.1.

#### **Variation 3.2**

Editorial corrections on the clamping range sizes for KBCTA\*\* and KBCTN\*\* type Barrier cable glands.

#### **Variation 3.3**

To the certificated Barrier cable glands types KBCTA\*\* and KBCTN\*\* (CenTAURUS), new KBCTNLS\*\* type has been added.

### Issue 4

#### **Variation 4.1**

*The address of the company and the manufacturing site have been changed from:*

S.S Bakır Pirinç Sanayi Sitesi Leylak Caddesi No: 16

TR-34524 Beylikdüzü – İstanbul (Turkey)

*To:*

Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No.28 İç Kapı No: 1

TR-34555 Arnavutköy, İstanbul – Turkey

*No other changes were applied to the above mentioned Equipment.*

### Annex:

[BIMED - IECEx CES 17.0029X Issue 4 ANNEX - Barrier cable glands KBCTN, KBCTA, KBCTNLS \(CenTAURUS\)\\_1.pdf](#)



# IECEx Certificate of Conformity

Annex to certificate: IECEx CES 17.0029X Issue No: 4 of 2025-09-23

Applicant: Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.

Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1

TR-34555 Arnavutköy – İstanbul (Turkey)

Electrical Apparatus: Barrier cable glands KBCTA\*\*, KBCTN\*\*, KBCTNLS\*\* (CenTAURUS)

Types and thread sizes of barrier cable glands are listed on the following Tables.

Table 1:

Cable gland size	Thread size		Cable dia. Ranges (mm)			Max. cross sectional area of cores admitted (mm <sup>2</sup> )	
	ISO 261 pitch 1.5	NPT	Cable sheath diameter Min. ÷ Max.	Over single core dia. Min.	Max. No. of cores		
1XS..	M 20	1/2"	3.0 – 8.5	1.5	8.5	9	70.90
1S..	M 20	1/2"	6.0 – 13.0	1.5	9.5	9	70.90
1..	M 20	1/2"	8.0 – 15.0	1.5	9.5	9	70.90
1L..	M 20	1/2"	13.5 – 21.0	1.5	12.0	11	113.10
2S..	M 25	3/4"	8.0 – 15.0	1.5	9.5	9	70.90
2..	M 25	3/4"	13.5 – 21.0	1.5	12.0	11	113.10
2L..	M 25	3/4"	18.0 – 27.0	1.5	15.0	22	176.70
3..	M 32	1"	18.0 – 27.0	1.5	15.0	22	176.70
3L..	M 32	1"	23.0 – 33.0	1.5	21.5	36	363.10
4S..	M 40	1" 1/4	23.0 – 33.0	1.5	21.5	36	363.10
4..	M 40	1" 1/4	29.0 – 40.0	1.5	29.0	55	660.50
5SM	M 50	-	29.0 – 40.0	1.5	29.0	55	660.50
5M	M 50	-	35.0 – 48.0	1.5	37.0	75	1075.20
5N	-	1" 1/2	29.0 – 40.0	1.5	29.0	55	660.50
6SM	M 63	-	35.0 – 48.0	1.5	37.0	75	1075.20
6M	M 63	-	42.0 – 56.0	1.5	46.0	99	1661.90
6N	-	2"	35.0 – 48.0	1.5	37.0	75	1075.20
7SM	M 75	-	42.0 – 56.0	1.5	46.0	99	1661.90
7..	M 75	2" 1/2	54.0 – 70.0	1.5	58.0	129	2642.10
8..	M 90	3"	54.0 – 70.0	1.5	58.0	129	2642.10

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Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1

TR-34555 Arnavutköy – İstanbul (Turkey)

Electrical Apparatus: Barrier cable glands KBCTA\*\*, KBCTN\*\*, KBCTNLS\*\* (CenTAURUS)

Table 2:

## Barrier cable glands KBCTNLS\*\* series

Cable gland size	Thread size		Cable dia. Ranges (mm)			Max. cross sectional area of cores admitted (mm <sup>2</sup> )	
	ISO 261 pitch 1.5	NPT	Over multi cores diameter Max.	Over single core dia.	Max. No. of cores		
Min.	Max.						
1S..	M 20	1/2"	9.5	1.5	9.5	9	70.90
	M 20	1/2"	12.0	1.5	12.0	11	113.1
	M 20	1/2"	9.5	1.5	9.5	9	70.90
1..	M 20	1/2"	12.0	1.5	12.0	11	113.10
2S..	M 25	3/4"	9.5	1.5	9.5	9	70.90
2..	M 25	3/4"	12.0	1.5	12.0	11	113.10
2L..	M 25	3/4"	15.0	1.5	15.0	22	176.70
3S..	M 32	1"	15.0	1.5	15.0	22	176.70
3..	M 32	1"	21.5	1.5	21.5	36	363.10
4S..	M 40	1" 1/4	21.5	1.5	21.5	36	363.10
4..	M 40	1" 1/4	29.0	1.5	29.0	55	660.50
5SM	M 50	-	29.0	1.5	29.0	55	660.50
5M	M 50	-	37.0	1.5	37.0	75	1075.20
5N	-	1" 1/2	29.0	1.5	29.0	55	660.50
6N	-	2"	37.0	1.5	37.0	75	1075.20

## Constructional characteristics

Degree of protection (IEC 60529):

IP 66 or IP 68 (50 m for 30 min.).

Ambient temperature range:

- 60 up to + 100 °C for models with Silicon flat washers.

Service temperature range:

- 50 up to + 80 °C for models with Fiber flat washers.

- 60 up to + 100 °C for models with Silicon flat washers.

- 50 up to + 80 °C for models with Fiber flat washers.