



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000410

**Applicant** Bimed Teknik Aletler Sanayi Ve Ticaret A.S.  
**Address** S.S Bakir Piriç Sanayi Sitesi Leylak Caddesi no:16 TR - 34524  
Beylikdüzü – Istanbul, Turkey  
**Manufacturer** Bimed Teknik Aletler Sanayi Ve Ticaret A.S.  
**Address** S.S Bakir Piriç Sanayi Sitesi Leylak Caddesi no:16 TR - 34524  
Beylikdüzü – Istanbul, Turkey  
**Production Factory** Bimed Teknik Aletler Sanayi Ve Ticaret A.S.  
**Production Address** S.S Bakir Piriç Sanayi Sitesi Leylak Caddesi no:16 TR - 34524  
Beylikdüzü – Istanbul, Turkey  
**Product** Cable Glands  
**Model/Type** EBUxxxxxx, EBSxxxxxx,  
**Ex marking** Ex d IIC Gb, Ex e IIC Gb, Ex tD A21 IP66/68  
**Reference Standards** GB3836.1-2010, GB3836.2-2010, GB3836.3-2010,  
GB12476.1-2013, GB12476.5-2013

**Certification mode** Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (7 pages).

Issued on: 2021-06-28

Valid to: 2026-06-27

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



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CN 0000732



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### Product information:

1. This certificate covers the following models:

- EBUxxxxxx, EBSxxxxxx

The cable glands series EBUxxxxxx, EBSxxxxxx are suitable for inserting circular cables into Ex d enclosures having threaded entries and Ex e or Ex tD enclosures having either threaded or plane entries.

See the following table for detailed type designation:

<u>EBU</u>	x	x	x	x	x	x
<u>EBS</u>	x	x	x	x	x	x
	1	2	3	4	5	6

  

1	Size, according to related table
2	Thread type: - N: NPT - M: Metric pitch 1.5 - P: PG ( <i>Ex e only</i> )
3	Body material: - B: brass - X: stainless steel - A: Aluminium - BN: nickel-plated brass - Z: galvanized steel
4	Seals material: - C: Chloroprene - S: Silicon
5	Flat washer material: - Blank: none

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	- WC: Chloroprene - WS: Silicon - WF: Fiber - WE: EPDM - WP: Polyamide
6	Sealing hole type: - blank: circular sealing ring hole dimensions

Models sizes:

EBUxxxxxx						
Model	Min-max cable Ø mm	Torque value [Nm]			Suitable for	
		S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Ex d	Ex e Ex tD
EBU 0XS..	2-4	-	-	4	no	yes
EBU 0S..	4-8	20	18	-	no	yes
EBU 0..	3-8	-	25	18	yes	yes
EBU01S..	3-9	-	25	18	yes	yes
EBU 01..	4-12	20	18	16	yes	yes
EBU 1S..	3-9	-	25	18	yes	yes
EBU 1..	4-12	20	18	16	yes	yes
EBU 12..	10-16	25	22	18	yes	yes
EBU 2S..	4-12	20	18	16	yes	yes
EBU 2..	10-18	25	22	18	yes	yes
EBU 23..	14-20	28	23	-	yes	yes
EBU 3S..	10-18	25	22	18	yes	yes

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EBU 3..	14-24	28	23	20	yes	yes
EBU 34..	22-28	56	50	35	yes	yes
EBU 4S..	14-24	28	23	20	yes	yes
EBU 4..	22-32	56	50	45	yes	yes
EBU 45..	26-34	57	55	52	yes	yes
EBU 5S..	22-32	56	50	45	yes	yes
EBU 5..	26-35	57	55	52	yes	yes
EBU 56..	35-44	190	155	140	yes	yes
EBU 6S..	26-35	57	55	52	yes	yes
EBU 6..	35-45	190	155	140	yes	yes
EBU 67S..	42-56	130	145	135	no	yes
EBU 67..	46-56	160	145	135	yes	yes
EBU 7S..	35-45	190	155	140	yes	yes
EBU 7..	46-62	185	175	150	yes	yes
EBU 78..	60-69	123	118	-	yes	yes
EBU80..	60-71	123	118	110	yes	yes
EBU 82..	60-71	123	118	110	yes	yes
EBU 8S..	46-62	185	175	150	yes	yes
EBU 8..	60-75	123	118	110	yes	yes
EBU 810..	75-82	135	130	125	yes	yes
EBU 10S..	60-75	123	118	110	yes	yes
EBU 10..	75-85	135	130	125	yes	yes
EBU 11..	85-95	180	175	170	yes	yes
EBU 115XS..	75-85	135	130	125	yes	yes
EBU 115S..	85-95	180	175	170	yes	yes
EBU 115..	95-105	450	450	450	yes	yes
EBU 13..	105-115	526	500	535	yes	yes

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EBSxxxxxxx						
Model	Min-max cable Ø mm	Torque value [Nm]			Suitable for	
		S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Ex d	Ex e Ex tD
EBS 01S.	4-8	-	25	18	yes	yes
EBS 01..	4-8	-	25	18	yes	yes
EBS 1..	4-12	20	18	16	yes	yes
EBS 2..	10-18	25	22	18	yes	yes
EBS 3..	14-24	28	23	20	yes	yes
EBS 4..	22-32	56	50	45	yes	yes
EBS 5..	26-35	57	55	52	yes	yes
EBS 6..	35-45	190	155	140	yes	yes
EBS 7..	46-62	185	175	150	yes	yes
EBS 8..	60-75	123	118	110	yes	yes
EBS 10..	75-85	135	130	125	yes	yes
EBS 11..	85-95	180	175	170	yes	yes

The cable gland types, installation Group, manufacturer materials and ambient temperature ranges are reported in the table below:

Table 1: Rated ambient temperature range (°C)		
Series	Ex e – Ex tD execution	Ex d execution
EBUxxxxxx	neoprene sealing ring: -40°C ~ +80°C	neoprene sealing ring: -40°C ~ +80°C
EBSxxxxxx	silicone sealing ring: -60°C ~ +140°C	silicone sealing ring: -60°C ~ +80°C

Table 2: Materials					
Series	Body materials	Sealing rings	Flat washer materials	O-ring	

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		material			Accessories
EBUxxxxxx	stainless steel; brass ; aluminum; nickel plated brass; galvanized steel	chloroprene (neoprene) silicone	chloroprene (neoprene), silicone, EPDM rubber, fiber KLINGERSIL® C-4400, PA washer	neoprene silicone EPDM, Viton	serrated washer dome plug
EBSxxxxxx	stainless steel; brass ; aluminum; nickel plated brass; galvanized steel	chloroprene (neoprene) silicone	chloroprene (neoprene), silicone, EPDM rubber, fiber KLINGERSIL® C-4400, PA washer	neoprene silicone EPDM, Viton	serrated washer dome plug

Service temperature is related to material of sealing rings which cable glands body is made of, but can be additionally limited by material of flat washer/OR/accessories material temperature limitations: chloroprene (-40~100 °C); silicone (-60~180 °C); EPDM rubber (-40~110 °C); KLINGERSIL® C-4400 fiber (-50~130 °C); NBR (-40~100 °C), PA (-60~65 °C); Viton (-17~210 °C). The use of these materials has to be taken into account in determination of lower and upper limit of service temperature of cable glands.

- Cable glands are suitable for not-armoured cables, and are made of metal body (aluminium, stainless steel, brass, galvanized steel. Sealing rings are made of silicon or neoprene (chloroprene) for all types. Details in Table.
- To guarantee the IP 66/68 degree of protection the cable glands with cylindrical threads have a sealing edge machined for fitting an elastomeric gasket, while for all other threads the IP66/68 degree of protection is achieved with sealant put at least on two complete threads engaged of the threaded coupling.
- Cable glands are suitable for electrical equipment either with type of protection Ex e, Ex d or type of protection Ex tD, suitability for each model is shown in tables included below. Cable glands should be also used for intrinsically safe circuits Ex i. These cable glands shall have a light blue painted part.
- Cable glands for circular cables can be supplied with tap, commercial called "dome plug", polyamide made, as accessory (BDPX.-.-.,available in black, green and blue color), suitable to guarantee IP degree when installed according to manufacturer's instructions.

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- Cable glands are suitable for cable type where sealing and retention is required by gripping the outer sheath (including screened/braided cables when the screen/braid is clamped inside the terminating equipment).

Ex marking: Ex d IIC Gb, Ex e IIC Gb, Ex tD A21 IP66/68

- Producers should organize production in accordance with the technical documents approved by the certification body.

### 2. Specific conditions of safety use:

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- The coupling of the cable glands to the enclosure and torque values of cap clamping shall be made as indicated by the instruction in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.
- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.
- The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this certificate.
- When cable glands are installed with polyamide insert BDPX.-.-., mechanical risk have to be taken into account, depending on cable gland and insert tap. The upper operating temperature is limited to 70 °C. When insert tap is removed in order to install the proper cable, the integrity of sealing rings have to be checked, in order to guarantee the correct tightness. If necessary, sealing rings have to be replaced with new ones (original spare parts only).Precautions shall be taken in order to guarantee protection against risk of mechanical damage is provided, when insert taps are suitable for low mechanical risk (4J) only.
- See instruction for other information.

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3. Certificate related report(s):
  - Type test report: CQST2105C103
  - Factory inspection report: CN2021Q010125
4. Certificate change information: None

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