



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000412

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 gland
Model/Type Bxx-xx-x-x, HIBxx-xx-x-x, Ehibxx-xx-x-x, HIBxx-xx-(DS)x-x,
EHIBxx-xx-(DS)x-x
Ex marking Ex eb IIC Gb, Ex tb IIIC Db
Reference Standards GB/T 3836.1-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

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 CNEX-C2301-2019 Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product.*

See Annex for the detailed product information (10 pages).

Initial issue date: 2021-06-28

Issued date: 2023-04-22

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:



Nanyang Explosion Protected Electrical
Apparatus Research Institute Co.,Ltd.



<http://www.ccc-cnex.com>
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CN 0001930



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Product information:

1. This certificate covers the following models:

- Bxx-xx-x-x, HIBxx-xx-x-x, EHIBxx-xx-x-x, HIBxx-xx-(DS)x-x, EHIBxx-xx-(DS)x-x

The polyamide cable glands series Bxx-xx-x-x, HIBxx-xx-x-x, EHIBxx-xx-x-x, HIBxx-xx-(DS)x-x, EHIBxx-xx-(DS)x-x are used to introduce permanently circular cables into enclosure.

Cable glands are suitable for electrical equipment either with type of protection Ex eb or type of protection Ex tb.

Cable glands should be also used for intrinsically safe circuits Ex-i.

Cable glands HIBxx-xx-x-x, EHIBxx-xx-x-x are provided with single (S1) sealing rings only.

Cable glands HIBxx-xx-(DS)x-x, EHIBxx-xx-(DS)x-x are provided with single (S1) or double (S1+S2) sealing rings.

Cable glands Bxx-xx-x-x, HIBxx-xx-x-x, EHIBxx-xx-x-x, HIBxx-xx-(DS)x-x, EHIBxx-xx-(DS)x-x can be supplied with tap, polyamide made, as accessory(BDPXx-x-x) suitable to guarantee IP degree when installed according to manufacturer's instruction.

See the following table for detailed type designation of Bxx-xx-x-x, HIBxx-xx-x-x, EHIBxx-xx-x-x type:

B	x	x	-	x	x	-	x	-	x
HIB	x	x	-	x	x	-	x	-	x
<u>EHIB</u>	x	x	-	x	x	-	x	-	x
	1	2	-	3	4	-	5	-	6

1	Thread type:
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	<ul style="list-style-type: none"> - N: NPT - M: Metric, pitch 1.5 - P: PG
2	Cap: <ul style="list-style-type: none"> - None: Black cap - I: Blue cap for use in circuit Ex i - T: Tampon blue print on black material
3	Size and dimensions
4	Sealing rings material: <ul style="list-style-type: none"> - C: Chloroprene washer - S: Silicone washer - N: NBR washer(only codes HIB and EHIB)
5	Flat washer material: <ul style="list-style-type: none"> - Blank: same material with sealing ring - WF: Fiber washer - WE: EPDM Washer - WN: NBR washer
6	O-ring material: <ul style="list-style-type: none"> - Blank: None - OC: Chloroprene O-ring - OS: Silicone O-ring - OE: EPDM O-ring

See the following table for detailed type designation of HIBxx-xx-(DS)x-x, EHIBxx-xx-(DS)x-x:

HIB	x	x	-	x	x	-	(DS)	x	-	x
EHIB	x	x	-	x	x	-	(DS)	x	-	x
	1	2	-	3	4	-	(DS)	5	-	6

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1	Thread type: - N: NPT - M: Metric, pitch 1.5 - P: PG
2	Cap: - None: Black cap - I: Blue cap for use in circuit Ex i - T: Tampon blue print on black material
3	Size and dimensions
4	Sealing rings material: - C: Chloroprene washer - S: Silicone washer - N: NBR washer
	(DS): double sealing ring (S1; S1+S2)
5	Flat washer material: - Blank: same material with sealing ring - WF: Fiber washer - WE: EPDM Washer - WN: NBR washer
6	O-ring material: - Blank: None - OC: Chloroprene O-ring - OS: Silicone O-ring - OE: EPDM O-ring

Cable gland sizes:

		Bxx-xx-x-x			
Model	Thread	Min-max cable [mm]	Recommended Torque value	Recommended torque value	Mechanical

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			(cap) [Nm]	(body) [Nm]	risk
BM.-SX2	M20x1.5	5.0-10.0	2.5	2.5	Low (4J)
BM.-X2	M20x1.5	6.0-12.0	5.0	5.0	
BM.-X2L	M20x1.5	6.0-12.0	5.0	5.0	
BM.-X3	M20x1.5	10.0-14.0	5.5	5.5	
BM.-X4	M20x1.5	10.0-14.0	5.5	5.5	
BM.-SX5	M25x1.5	10.0-14.0	5.5	5.5	
BM.-X5	M25x1.5	13.0-18.0	7.0	7.0	
BM.-SX6	M25x1.5	10.0-14.0	5.5	5.5	
BM.-X6	M25x1.5	13.0-18.0	7.0	7.0	
BM.-XEU25	M25x1.5	11.0-17.0	5.0	5.0	
BM.-XEU32	M32x1.5	15.0-21.0	6.0	6.0	
BM.-SX7	M32x1.5	13.0-18.0	7.0	7.0	
BM.-X7	M32x1.5	18.0-25.0	9.0	9.0	
BM.-XEU40	M40x1.5	19.0-28.0	5.0	5.0	
BM.-XEU40L	M40x1.5	19.0-28.0	5.0	5.0	
BM.-X8	M40x1.5	22.0-32.0	17.0	17.0	
BM.-X9	M50x1.5	30.0-38.0	22.0	22.0	
BM.-X10	M63x1.5	34.0-44.0	23.0	23.0	
BN.-SX2	NPT 1/2"	5.0-10.0	2.5	2.5	Low (4J)
BN.-X2	NPT 1/2"	6.0-12.0	5.0	5.0	
BN.-LX2	NPT 1/2"	10.0-14.0	5.5	5.5	
BN.-X3	NPT 3/4"	13.0-18.0	7.0	7.0	
BN.-X4	NPT 1"	18.0-25.0	9.0	9.0	

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BN.-X8	NPT 1 ¼"	22.0-32.0	17.0	17.0	Low (4J)
BN.-X9	NPT 1 ½"	30.0-38.0	22.0	22.0	
BN.-X10	NPT 2"	34.0-44.0	23.0	23.0	
BP.-X4	PG 13,5	6.0-12.0	5.0	5.0	
BP.-X5	PG 16	10.0-14.0	5.5	5.5	
BP.-X6	PG 21	13.0-18.0	7.0	7.0	
BP.-X7	PG 29	18.0-25.0	9.0	9.0	
BP.-X8	PG 36	22.0-32.0	17.0	17.0	
BP.-X9	PG 42	30.0-38.0	22.0	22.0	
BP.-X10	PG 48	34.0-44.0	23.0	23.0	
BM.DC-X3	M25x1.5	12.0-18.0	8.0	8.0	Low (4J)

HIBxx-xx-x-x, EHIBxx-xx-x-x					
Model		Min-max cable [mm]	Torque value (cap) [Nm]	Recommended torque value (body) [Nm]	Mechanical risk
HIB..-0XS	EHIB..-0XS	4-6.5	2	2	High (7J)
HIB..-XS	EHIB..-XS	4-6.5	2	2	
HIB..-SX1	EHIB..-SX1	5-8	4	4	
HIB..-SX1L	EHIB..-SX1L	5-8	4	4	
HIB..-X1	EHIB..-X1	6-10	4	4	
HIB..-X1L	EHIB..-X1L	6-10	4	4	
HIB..-SX2	EHIB..-SX2	6-10	2.5	2.5	
HIB..-X2	EHIB..-X2	7-12	5	5	
HIB..-X2L	EHIB..-X2L	7-12	5	5	

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HIB..-MX2	EHIB..-MX2	7-13	4.5	4.5
HIB..-X3	EHIB..-X3	11-14	5.5	5.5
HIB..-X4	EHIB..-X4	11-14	5.5	5.5
HIB..-SX5	EHIB..-SX5	11-14	5.5	5.5
HIB..-SX6	EHIB..-SX6	11-14	5.5	5.5
HIB..-XEU25	EHIB..-XEU25	12-17	5	5
HIB..-XEU25L	EHIB..-XEU25L	12-17	5	5
HIB..-X5	EHIB..-X5	14-18	8	8
HIB..-X6	EHIB..-X6	14-18	8	8
HIB..-SX7	EHIB..-SX7	14-18	8	8
HIB..-XEU32	EHIB..-XEU32	16-21	6	6
HIB..-XEU32L	EHIB..-XEU32L	16-21	6	6
HIB..-X7	EHIB..-X7	19-25	9	9
HIB..-XEU40	EHIB..-XEU40	20-28	5	5
HIB..-XEU40L	EHIB..-XEU40L	20-28	5	5
HIB..-X8	EHIB..-X8	23-32	17.5	17.5
HIB..-X9	EHIB..-X9	31-38	22	22
HIB..-X10	EHIB..-X10	35-44	24	24

HIBxx-xx-(DS)x-x, EHIBxx-xx-(DS)x-x,							
Model		Min-max cable [mm]		Torque value (cap) [Nm]		Recommended torque value (body) [Nm]	Mechanical risk
		S1+S2	S1	S1+S2	S1		
HIB..-0XS(DS)	EHIB..-0XS(DS)	3-4	4-6.5	1	2	2	High (7J)

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HIB..-XS(DS)	EHIB..-XS(DS)	3-4	4-6.5	1	2	2
HIB..-SX1(DS)	EHIB..-SX1(DS)	4-5	5-8	3.5	4	4
HIB..-SX1L(DS)	EHIB..-SX1L(DS)	4-5	5-8	3.5	4	4
HIB..-X1(DS)	EHIB..-X1(DS)	4-6	6-10	3.5	4	4
HIB..-X1L(DS)	EHIB..-X1L(DS)	4-6	6-10	3.5	4	4
HIB..-SX2(DS)	EHIB..-SX2(DS)	4-6	6-10	3.2	2.5	2.5
HIB..-X2(DS)	EHIB..-X2(DS)	6-7.5	7.5-12	5	5	5
HIB..-X2L(DS)	EHIB..-X2L(DS)	6-7.5	7.5-12	5	5	5
HIB..-MX2(DS)	EHIB..-MX2(DS)	4-7	7-13	3.5	4.5	4.5
HIB..-X3(DS)	EHIB..-X3(DS)	8-11	11-14	5.5	5.5	5.5
HIB..-X4(DS)	EHIB..-X4(DS)	8-11	11-14	5.5	5.5	5.5
HIB..-SX5(DS)	EHIB..-SX5(DS)	8-11	11-14	5.5	5.5	5.5
HIB..-SX6(DS)	EHIB..-SX6(DS)	8-11	11-14	5.5	5.5	5.5
HIB..-XEU25(DS)	EHIB..-XEU25(DS)	9-13	13-17	5	5	5
HIB..-XEU25L(DS)	EHIB..-XEU25L(DS)	9-13	13-17	5	5	5
HIB..-X5(DS)	EHIB..-X5(DS)	10-13	13-18	5.5	8	8
HIB..-X6(DS)	EHIB..-X6(DS)	10-13	13-18	5.5	8	8
HIB..-SX7(DS)	EHIB..-SX7(DS)	10-13	13-18	5.5	8	8
HIB..-XEU32(DS)	EHIB..-XEU32(DS)	12-16	16-21	4.5	6	6
HIB..-XEU32L(DS)	EHIB..-XEU32L(DS)	12-16	16-21	4.5	6	6
HIB..-X7(DS)	EHIB..-X7(DS)	14-20	20-25	8	9	9
HIB..-XEU40(DS)	EHIB..-XEU40(DS)	17-21	21-28	5	5	5
HIB..-XEU40L(DS)	EHIB..-XEU40L(DS)	17-21	21-28	5	5	5
HIB..-X8(DS)	EHIB..-X8(DS)	21-25	23-32	15	17.5	17.5

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HIB..-X9(DS)	EHIB..-X9(DS)	22-31	31-38	18	22	22
HIB..-X10(DS)	EHIB..-X10(DS)	28-35	35-44	22	24	24

BDPXx-x-x				
From size to size	Material	Mechanical risk	Sealing ring
M12/PG7/NPT1/4"	M63/PG48/NPT 2"	polyamide	High (7J) at T≥-40°C Low (4J) at T<-40°C	Single
M12/PG7/NPT1/4"	M32/PG21/NPT 1"		High (7J) at T≥-40°C	Double
M32/PG21/NPT 1"	M63/PG48/NPT 2"		High (7J) at T≥-40°C Low (4J) at T<-40°C	

Service temperatures:

Series	Service temperature	Sealing rings materials	Flat washer materials	OR materials	Mechanical risk
Bxx-xx-x-x	-40~+80°C	Chloroprene (neoprene) Silicone	chloroprene(neoprene) Silicone KLINGERSIL® C-4400 EPDM rubber NBR	Chloroprene (neoprene) Silicone EPDM rubber	Low (4J)
HIBxx-xx-x-x, EHIBxx-xx-x-x	-30~+70°C	NBR	chloroprene(neoprene) Silicone KLINGERSIL® C-4400 EPDM rubber NBR	Chloroprene (neoprene) Silicone EPDM rubber	High (7J)
	-40~+70°C	Chloroprene (neoprene)			
	-60~+70°C	Silicone			

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HIBxx-xx-(DS) x-x, EHIBxx-xx-(D S)x-x,	-30~+70°C	NBR	chloroprene(neoprene) Silicone	Chloroprene (neoprene) Silicone EPDM rubber	High (7J)
	-40~+70°C	Chloroprene (neoprene)	KLINGERSIL® C-4400 EPDM rubber		
	-60~+70°C	Silicone	NBR		

Ingress protection: IP 66 / IP 68 (50 m for 30 min.)

Ex marking: Ex eb IIC Gb, Ex tb IIIC Db

- 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 cable glands and the relevant cables, shall be used where a protection against risk of mechanical damage is provided, when they are suitable for low mechanical risk (4J) only for Bxx-xx-x-x.

- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.

- For gas installations (only for cable glands with M50/PG42/NPT 1½” threads and following) and dust installations: Warning. Potential electrostatic charging hazard - See instructions. Clean only with antistatic clothes.

- When cable glands are installed with polyamide insert BDPXx-x-x mechanical risk have to be taken into account, depending on cable gland and insert tap. 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

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to be replaced with new ones (original spare parts only).

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2105C107, CQST2105C107/01

- Factory inspection report: CN2021Q010125

4. Certificate change information:

- 1st change on April 22, 2023: Updated the standards for certification.

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