



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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Certificate No.: **IECEx IMQ 13.0003X**

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Status: **Current**

Issue No: 11

Date of Issue: 2026-02-10

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
ÖZ-AR SANAYİ BÖLGESİ, Deliklikaya Mah. Yüzbaşı Mehmet
Hilmi Cad. Dış kapı No: 28 İç Kapı No: 1 Arnavutköy
İstanbul 34555
Türkiye

Certificate history:

Issue 10 (2024-06-14)
Issue 9 (2021-12-15)
Issue 8 (2021-09-28)
Issue 7 (2021-03-15)
Issue 6 (2017-07-21)
Issue 5 (2017-05-19)
Issue 4 (2017-04-11)
Issue 3 (2016-02-05)
Issue 2 (2015-08-07)
Issue 1 (2015-02-20)

Equipment: **Polyamide cable glands for circular and flat cables,
polyamide taps: series B...; B..DC...; T...;
HIB...; HIB...(axb)...; HIB...(DS)...; EHIB...;
EHIB...(DS)...; HIT...**

Optional accessory:

Type of Protection: **Ex eb; Ex tb**

Marking: **Ex eb IIC Gb**

Ex tb IIIC Db IP66/68

Approved for issue on behalf of the IECEx
Certification Body:

Mr. Mauro CASARI

Position:

IMQ ExCB Manager

Signature:
(for printed version)

Date:
(for printed version)

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Italy





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Date of issue: 2026-02-10

Issue No: 11

Manufacturer: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
ÖZ-AR SANAYİ BÖLGESİ, Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. Dış kapı No: 28 İç Kapı No: 1 Arnavutköy
İstanbul 34555
Türkiye

Manufacturing locations: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
ÖZ-AR SANAYİ BÖLGESİ, Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. Dış kapı No: 28 İç Kapı No: 1 Arnavutköy
İstanbul 34555
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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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/IMQ/ExTR13.0003/10

IT/IMQ/ExTR15.0001/09

Quality Assessment Report:

IT/CES/QAR12.0003/13



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The polyamide cable glands series B.-.; B..DC.-.; HIB.-.; HIB..-(DS); EHIB.-.; EHIB..-(DS); are used to introduce permanently circular cables into enclosure.

The polyamide cable glands series HIB..-(axb) are used to introduce permanently non-circular (flat) cables into enclosure.

Plugs series T.-. and HIT.-. are used to close unused cable entry of an enclosure.

Cable glands and plugs are suitable for electrical equipment either with type of protection Ex-e or type of protection Ex-t. Cable glands can be also used for intrinsically safe circuits Ex-i.

Cable glands HIB..-(DS), EHIB..-(DS) are provided with single (S1) or double (S1+S2) sealing rings.

Cable glands HIB.-., EHIB.-. are provided with single (S1) sealing rings only.

Cable glands series HIB..-(axb) are provided with sealing ring specific for non-circular (flat cables), sealing ring hole dimensions are specified in brackets.

Cable glands B.-.; B..DC.-.; HIB.-.; HIB..-(DS); EHIB.-.; EHIB..-(DS); can be supplied with cap, polyamide made, as accessory (BDPX.-.), suitable to guarantee IP degree when installed according to manufacturer's instructions. Details in Annex.

Additionally, dust plugs are used for Ex polyamide cable glands to protect the glands from dust during the shipment. It is taken out during installation.

Details on sealing rings material, flat washer (placed between the body and the cover of enclosures) materials and limitations are listed in Annex.

The cable glands and plugs can be factory made with the following threads:

- Metric ISO pitch 1,5 (ISO 965/1, ISO 965/2, ISO 965/3)
- NPT ANSI ASME B1.20.1
- PF ISO 228/1
- PG DIN 40430

Protection degree: IP66/68 (5 bar; 30 min).

Full details in Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- The cable glands/plugs 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).
- 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/PF 1 1/2"/NPT 1 1/2" 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 BDPX.-., mechanical risk have to be taken into account, depending on cable gland and insert cap. When insert cap 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).
- Cable glands for non circular cables shall be fitted with proper cables, suitable for sealing ring, according to this manufacturer's instruction.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

Standard updating to IEC 60079-0:2011, 6th Edition

Adding new model BM-XEU40L derived from already tested cable glands types: differences have no effects on protection mode.

Adding KLINGERSIL® C-4400 or EPDM rubber as material used for additional gasket between cable gland and enclosure.

Cable glands B.-. and B.DC.-. can be supplied with tap, polyamide made, as accessory (BP.-.), suitable to guarantee IP degree when installed according to manufacturer's instructions.

Adding serie HIB.-.; HIB.-.(DS); MHIB.-.; MHIB.-.(DS); HIT.-.

Issue 2

Standard update to IEC 60079-31:2013 ed. 2

Introductions of alternative of blue cap for the following series: B.-.; B..DC.; HIB.-.; HIB..-(DS). Change of related key code, according to Annex. The blue cap versions of cable glands are used for Ex i circuits.

Addition of models BN.-X8, BN.-X9, BN.-X10, covered by tests already performed.

New models HIB.-.(axb) with sealing rings specific for non circular (flat) cables

New models EHIB.-.; EHIB..-(DS) with alternative cap versions

Issue 3

Changes in clamping range for rationalization between single and double sealing rings, for series HIB.-.; HIB.-.(DS); EHIB.-.; EHIB..-(DS). These changes does not impair the validity of tests already performed.

Change in cap shape for series EHIB.-.; EHIB..-(DS). The new design does not impair the validity of tests already performed.

Change name for protection tap from BP.-. to BDPX.-.

Issue 4

Standard update to IEC 60079-7:2015, 5th Edition

Removing from series of cable gland MHIB.-.; MHIB.-.(DS) (samples with metal insert inside body)

New colour for BDPX.-. (Green colour cap tested for UV resistance)

Changes in length for some models

Issue 5

Change address of Applicant and Manufacturer (test reports and annex to this certificate remain unchanged)

Issue 6

Modifications in key code for Marking Specification.

Issue 7

Standard update to IEC 60079-0:2017 ed. 7.0.

Temperature range for models BM-X2S, BM-SX5S, BM-SX7S has been changed from -40°C ÷ +80°C to -40°C ÷ +85°C.

Introduction of small equipment marking for model EHIB.-X.. M12-M16 cable gland sizes.

Issue 8

Document list update.

Issue 9

Standard update to IEC 60079-7:2017 Ed. 5.1

Issue 10

- Standard update to IEC 60079-31:2022, 3rd Edition;

- Introduction of new EHIB and EHIB(DS) models with different ambient temperature range, impact energy and cable range.

- Update of body tightening torque for series EHIB.-., HIB.-., EHIB..-(DS) and HIB..-(DS) due to typing error in previous versions of the certificate.

Issue 11

- Change of address

Annex:

[IECEx IMQ 13.0003X issue No. 11 Annex.pdf](#)

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...-...; B..DC-...-...; T...-...-...;
HIB...-...; HIB...-...(axb); HIB...-...(DS); EHIB...-...; EHIB...-...(DS);
HIT...-... BDPX...-...



General description

The polyamide cable glands series B...-...; B..DC-...; HIB...-...; HIB...-...(DS); EHIB...-...; EHIB...-...(DS); are used to introduce permanently circular cables into enclosure.

The polyamide cable glands series HIB...-...(axb) are used to introduce permanently non-circular (flat) cables into enclosure.

Plugs series T...-... and HIT...-... are used to close unused cable entry of an enclosure.

Cable glands and plugs are suitable for electrical equipment either with type of protection Ex-e or type of protection Ex-t. Cable glands can be also used for intrinsically safe circuits Ex-i.

Cable glands HIB...-...(DS), EHIB...-...(DS) are provided with single (S1) or double (S1+S2) sealing rings.

Cable glands HIB...-..., EHIB...-... are provided with single (S1) sealing rings only.

Cable glands series HIB...-...(axb) are provided with sealing ring specific for non-circular (flat cables), sealing ring hole dimensions are specified in brackets.

Cable glands B...-...; B..DC-...; HIB...-...; HIB...-...(DS); EHIB...-...; EHIB...-...(DS); can be supplied with cap, polyamide made, as accessory (BDPX...-...), suitable to guarantee IP degree when installed according to manufacturer's instructions. Details in Table 4.

Additionally, dust plugs are used for Ex polyamide cable glands to protect the glands from dust during the shipment. It is taken out during installation.

Details on sealing rings material, flat washer (placed between the body and the cover of enclosures) materials and limitations are listed in Table 1.

The cable glands and plugs can be factory made with the following threads:

- Metric ISO pitch 1,5 (ISO 965/1, ISO 965/2, ISO 965/3)
- NPT ANSI ASME B1.20.1
- PF ISO 228/1
- PG DIN 40430

Table 1: materials and service temperatures					
Series	Service temperature ¹	Sealing rings material	Flat washer materials	OR materials	Mechanical risk
B...-	-40 ÷ +80 °C ²	chloroprene (neoprene) silicone	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	Low (4J)
BM-X2S, BM-SX5S, BM-SX7S	-40 ÷ +85 °C	silicone	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	Low (4J)
B..DC-	-40 ÷ +80 °C ²	chloroprene (neoprene) silicone	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	Low (4J)
T.-.	-40 ÷ +80 °C	-	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	-	Low (4J)
HIB...-	-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			
EHIB...-	-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			
	-55 ÷ +70 °C				
	-45 ÷ +70 °C				
	-20 ÷ +70 °C				
HIB...-(axb)	-60 ÷ +70 °C	silicone	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	High (7J)
HIB...-(DS)	-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 ²	silicone			
EHIB...-(DS)	-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			
	-55 ÷ +70 °C				
	-45 ÷ +70 °C				
	-20 ÷ +70 °C				
HIT.-X.	-30 ÷ +70 °C	-	NBR	-	High (7J)
	-40 ÷ +70 °C		chloroprene (neoprene) EPDM rubber		
	-60 ÷ +70 °C		silicone		
	-60 ÷ +70 °C		KLINGERSIL® C-4400		
Notes					
¹ Service temperature is related to material of sealing rings and polyamide which cable glands body is made of, but can be additionally limited by material of flat washer/OR material temperature limitations: chloroprene (-40÷100 °C); silicone (-60÷180 °C); EPDM rubber (-40÷110 °C); KLINGERSIL® C-4400 fiber (-50÷130 °C). The use of these materials in flat washer/OR has to be taken into account in determination of lower limit of service temperature of cable glands, while upper limit is 80 °C for BX-., B.DC-., T.-., and 70°C for all other models.					
² When used blue caps (B.I.-.; B.IDC-) and/or BP.-. protection tap is used, the service temperature is -40÷70 °C. Low mechanical risk (4J).					

Notes

¹ Service temperature is related to material of sealing rings and polyamide which cable glands body is made of, but can be additionally limited by material of flat washer/OR material temperature limitations: chloroprene (-40÷100 °C); silicone (-60÷180 °C); EPDM rubber (-40÷110 °C); KLINGERSIL® C-4400 fiber (-50÷130 °C). The use of these materials in flat washer/OR has to be taken into account in determination of lower limit of service temperature of cable glands, while upper limit is 80 °C for BX...-, B.DC...-, T...-, and 70°C for all other models.

² When used blue caps (B.I-; B.IDC-) and/or BP...- protection tap is used, the service temperature is -40÷70 °C. Low mechanical risk (4J).

The cable glands, fitted with insert cap or not, and plugs are suitable for gas and dust atmosphere (II2GD).

The temperature range is detailed in Table 1 above.

All cable glands must be supplied with flat washer/O-ring for IP protection.

All plugs must be supplied with flat washer for IP protection.

Materials are detailed in Table 1 above.

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...; B..DC-...-...; T...-...;
HIB...-...; HIB...-(axb); HIB...-(DS); EHIB...-...; EHIB...-(DS);
HIT...-... BDPX...-...



Design options and Models sizes

Sizes of models, recommended torque and (for cable glands) range of diameter for suitable cables are shown in following tables. S1 means single sealing ring mounted inside cable gland. S1+S2 means double sealing rings mounted inside cable gland.

Table 3.1: B...-...; B..DC-...			
Model	Thread	Min-max cable [mm]	Mechanical risk
BM.-SX2	M20x1.5	5,0-10,0	Low (4 J)
BM.-X2	M20x1.5	6,0-12,0	
BM.-X2L	M20x1.5	6,0-12,0	
BM.-X3	M20x1.5	10,0-14,0	
BM.-X4	M20x1.5	10,0-14,0	
BM.-SX5	M25x1.5	10,0-14,0	
BM.-X5	M25x1.5	13,0-18,0	
BM.-SX6	M25x1.5	10,0-14,0	
BM.-X6	M25x1.5	13,0-18,0	
BM.-XEU25	M25x1.5	11,0-17,0	
BM.-XEU32	M32x1.5	15,0-21,0	
BM.-SX7	M32x1.5	13,0-18,0	
BM.-X7	M32x1.5	18,0-25,0	
BM.-XEU40	M40x1.5	19,0-28,0	
BM.-XEU40L	M40x1.5	19,0-28,0	
BM.-X8	M40x1.5	22,0-32,0	
BM.-X9	M50x1.5	30,0-38,0	
BM.-X10	M63x1.5	34,0-44,0	
BN.-SX2	NPT 1/2"	5,0-10,0	
BN.-X2	NPT 1/2"	6,0-12,0	
BN.-LX2	NPT 1/2"	10,0-14,0	
BN.-X3	NPT 3/4"	13,0-18,0	
BN.-X4	NPT 1"	18,0-25,0	
BN.-X8	NPT 1 ¼"	22,0-32,0	
BN.-X9	NPT 1 ½"	30,0-38,0	
BN.-X10	NPT 2"	34,0-44,0	
BPF.-SX2	PF 1/2"	5,0-10,0	
BPF.-X2	PF 1/2"	6,0-12,0	
BPF.-LX2	PF 1/2"	10,0-14,0	
BPF.-X3	PF 3/4"	13,0-18,0	
BPF.-X4	PF 1"	18,0-25,0	
BP.-X4	PG 13,5	6,0-12,0	
BP.-X5	PG 16	10,0-14,0	
BP.-X6	PG 21	13,0-18,0	
BP.-X7	PG 29	18,0-25,0	
BP.-X8	PG 36	22,0-32,0	
BP.-X9	PG 42	30,0-38,0	
BP.-X10	PG 48	34,0-44,0	
BM.DC-X3	M25x1.5	12,0-18,0	

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...-...; B..DC-...-...; T...-...-...;
HIB...-...; HIB...-(axb); HIB...-(DS); EHIB...-...; EHIB...-(DS);
HIT...-... BDPX...-...-



Table 3.2: T...-				
Model				Mechanical risk
TP-X02	TN-X02	TG-X02	TB-X02	Low (4J)
TP-X01	TN-X01	TG-X01	TB-X01	
TP-X1	TN-X1	TG-X1	TB-X1	
TP-X2	TN-X2	TG-X2	TB-X2	
TP-X3	TN-X3	TG-X3	TB-X3	
TP-X4	TN-X4	TG-X4	TB-X4	
TP-X5	TN-X5	TG-X5	TB-X5	
TP-X6	TN-X6	TG-X6	TB-X6	

Table 3.3: EHIB...-		
Model	Min-max cable [mm]	Mechanical risk
EHIB...-0SXS	4-5.5	High (7J)
EHIB...-0XS	4-6.5	
EHIB...-SXS	4-5.5	
EHIB...-XS	4-6.5	
EHIB...-SX1	5-8	
EHIB...-SX1L	5-8	
EHIB...-X1	6-10	
EHIB...-X1L	6-10	
EHIB...-SX2	6-10	
EHIB...-XS2	7-11	
EHIB...-X2	7-12	
EHIB...-XS2L	7-11	
EHIB...-X2L	7-12	
EHIB...-MX2	7-13	
EHIB...-X3	11-14	
EHIB...-X4	11-14	
EHIB...-SX5	11-14	
EHIB...-SX6	11-14	
EHIB...-XEU25	12-15	
EHIB...-XEU25	12-17	
EHIB...-XEU25L	12-15	
EHIB...-XEU25L	12-17	
EHIB...-X5	14-18	
EHIB...-X6	14-18	
EHIB...-SX7	14-18	
EHIB...-XEU32	16-21	
EHIB...-XEU32L	16-21	
EHIB...-X7	19-25	
EHIB...-XEU40	20-28	
EHIB...-XEU40L	20-28	
EHIB...-X8	23-32	
EHIB...-X9	31-38	
EHIB...-X10	35-44	

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

Apparatus: B...-...-...; B..DC-...-...; T...-...-...;
HIB...-...; HIB...-(axb); HIB...-(DS); EHIB...-...; EHIB...-(DS);
HIT...-... BDPX...-...



Table 3.3.1: HIB...-		
Model	Min-max cable[mm]	Mechanical risk
HIB...-0XS	4-6.5	High (7J)
HIB...-XS	4-6.5	
HIB...-SX1	5-8	
HIB...-SX1L	5-8	
HIB...-X1	6-10	
HIB...-X1L	6-10	
HIB...-SX2	6-10	
HIB...-X2	7-12	
HIB...-X2L	7-12	
HIB...-MX2	7-13	
HIB...-X3	11-14	
HIB...-X4	11-14	
HIB...-SX5	11-14	
HIB...-SX6	11-14	
HIB...-XEU25	12-17	
HIB...-XEU25L	12-17	
HIB...-X5	14-18	
HIB...-X6	14-18	
HIB...-SX7	14-18	
HIB...-XEU32	16-21	
HIB...-XEU32L	16-21	
HIB...-X7	19-25	
HIB...-XEU40	20-28	
HIB...-XEU40L	20-28	
HIB...-X8	23-32	
HIB...-X9	31-38	
HIB...-X10	35-44	

Table 3.4: HIB...-(axb)					
Cable gland code	Sealing ring dimensions [mm x mm]	Complete code	Cable min [mm x mm]	Cable max [mm x mm]	Mechanical risk
HIB...-SX5	6,0x10,8	HIB...-SX5 (6,0x10,8)	4,21x11,69	5,23 x 13,21	High (7J)
	5,0x12,8	HIB...-SX5 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	
HIB...-X5	6,0x10,8	HIB...-X5 (6,0x10,8)	4,21x11,69	5,23 x 13,21	
	5,0x12,8	HIB...-X5 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	
	5,0x15,0	HIB...-X5 (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	
HIB...-XEU25	6,0x10,8	HIB...-XEU25 (6,0x10,8)	4,21x11,69	5,23 x 13,21	
	5,0x12,8	HIB...-XEU25 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	
	5,0x15,0	HIB...-XEU25 (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	
HIB...-SX6	6,0x10,8	HIB...-SX6 (6,0x10,8)	4,21x11,69	5,23 x 13,21	
	5,0x12,8	HIB...-SX6 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	
HIB...-X6	6,0x10,8	HIB...-X6 (6,0x10,8)	4,21x11,69	5,23 x 13,21	
	5,0x12,8	HIB...-X6 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	
	5,0x15,0	HIB...-X6 (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	
HIB...-XEU25L	6,0x10,8	HIB...-XEU25L (6,0x10,8)	4,21x11,69	5,23 x 13,21	
	5,0x12,8	HIB...-XEU25L (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	
	5,0x15,0	HIB...-XEU25L (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...-...; B..DC-...-...; T...-...-...;
HIB...-...; HIB...-(axb); HIB...-(DS); EHIB...-...; EHIB...-(DS);
HIT...-... BDPX...-...-



Table 3.5: EHIB...-(DS)			
Model	Min-max cable [mm]		Mechanical risk
	S1+S2	S1	
EHIB...-OSXS(DS)	3-4	4-5.5	High (7J)
EHIB...-OXS(DS)	3-4	4-6.5	
EHIB...-SXS(DS)	3-4	4-5.5	
EHIB...-XS(DS)	3-4	4-6.5	
EHIB...-SX1(DS)	4-5	5-8	
EHIB...-SX1L(DS)	4-5	5-8	
EHIB...-X1(DS) ¹	4-6	6-10	
EHIB...-X1L(DS) ¹	4-6	6-10	
EHIB...-SX2(DS)	4-6	6-10	
EHIB...-XS2(DS) ²	6-7.5	7.5-11	
EHIB...-X2(DS)	6-7.5	7.5-12	
EHIB...-XS2L(DS) ²	6-7.5	7.5-11	
EHIB...-X2L(DS)	6-7.5	7.5-12	
EHIB...-MX2(DS)	4-7	7-13	
EHIB...-X3(DS)	8-11	11-14	
EHIB...-X4(DS)	8-11	11-14	
EHIB...-SX5(DS)	8-11	11-14	
EHIB...-SX6(DS)	8-11	11-14	
EHIB...-XEU25(DS) ²	9-13	13-15	
EHIB...-XEU25(DS) ²	9-13	13-17	
EHIB...-XEU25L(DS) ²	9-13	13-15	
EHIB...-XEU25L(DS) ²	9-13	13-17	
EHIB...-X5(DS)	10-13	13-18	
EHIB...-X6(DS)	10-13	13-18	
EHIB...-SX7(DS)	10-13	13-18	
EHIB...-XEU32(DS) ²	12-16	16-21	
EHIB...-XEU32L(DS) ²	12-16	16-21	
EHIB...-X7(DS)	14-20	20-25	
EHIB...-XEU40(DS) ²	17-21	21-28	
EHIB...-XEU40L(DS) ²	17-21	21-28	
EHIB...-X8(DS)	21-25	23-32	
EHIB...-XS9(DS)	24-31	31-38	
EHIB...-X9(DS) ²	22-31	31-38	
EHIB...-X10(DS) ²	28-35	35-44	

Note

¹ Cable glands that can be alternatively marked with reduce mechanical risk, Low (4J), and reduced operative temperature range -20 ÷ +70 °C.

² Cable glands that can be alternatively marked with reduce operative temperature range -45 ÷ +70 °C or reduce mechanical risk, Low (4J), and reduced operative temperature range -55 ÷ +70 °C.

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...; B..DC-...-...; T...-...;
HIB...-...; HIB...-(axb); HIB...-(DS); EHIB...-...; EHIB...-(DS);
HIT...-... BDPX...-...



Table 3.5.1: HIB...-(DS)			
Model	Min-max cable [mm]		Mechanical risk
	S1+S2	S1	
HIB...-OX5(DS)	3-4	4-6.5	High (7J)
HIB...-XS(DS)	3-4	4-6.5	
HIB...-SX1(DS)	4-5	5-8	
HIB...-SX1L(DS)	4-5	5-8	
HIB...-X1(DS)	4-6	6-10	
HIB...-X1L(DS)	4-6	6-10	
HIB...-SX2(DS)	4-6	6-10	
HIB...-X2(DS)	6-7.5	7.5-12	
HIB...-X2L(DS)	6-7.5	7.5-12	
HIB...-MX2(DS)	4-7	7-13	
HIB...-X3(DS)	8-11	11-14	
HIB...-X4(DS)	8-11	11-14	
HIB...-SX5(DS)	8-11	11-14	
HIB...-SX6(DS)	8-11	11-14	
HIB...-XEU25(DS)	9-13	13-17	
HIB...-XEU25L(DS)	9-13	13-17	
HIB...-X5(DS)	10-13	13-18	
HIB...-X6(DS)	10-13	13-18	
HIB...-SX7(DS)	10-13	13-18	
HIB...-XEU32(DS)	12-16	16-21	
HIB...-XEU32L(DS)	12-16	16-21	
HIB...-X7(DS)	14-20	20-25	
HIB...-XEU40(DS)	17-21	21-28	
HIB...-XEU40L(DS)	17-21	21-28	
HIB...-X8(DS)	21-25	23-32	
HIB...-X9(DS)	22-31	31-38	
HIB...-X10(DS)	28-35	35-44	

Table 3.8: HIT...-				
Model				Mechanical risk
HITP-X02	HITN-X02	HITG-X02	HITB-X1	High (7J)
HITP-X01	HITN-X01	HITG-X01	HITB-X2	
HITP-X01L	HITN-X01L	HITG-X01L	HITB-X2L	
HITP-X01HL	HITN-X01HL	HITG-X01HL	HITB-X2HL	
HITP-X1	HITN-X1	HITG-X1	HITB-X3	
HITP-X1L	HITN-X1L	HITG-X1L	HITB-X4	
HITP-X1HL	HITN-X1HL	HITG-X1HL	HITB-X4L	
HITP-X2	HITN-X2	HITG-X2	HITB-X4HL	
HITP-X2HL	HITN-X2HL	HITG-X2HL	HITB-X5	
HITP-X3	HITN-X3	HITG-X3	HITB-X6	
HITP-X4	HITN-X4	HITG-X4	HITB-X6HL	
HITP-X5	HITN-X5	HITG-X5	HITB-X7	
HITP-X6	HITN-X6	HITG-X6	HITB-X8	
-	-	-	HITB-X9	
-	-	-	HITB-X10	

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

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...-...; B..DC-...-...; T...-...-...;
HIB...-...; HIB...-(axb); HIB...-(DS); EHIB...-...; EHIB...-(DS);
HIT...-... BDPX...-...



Key code:

Table 2: key code									
B	1	3	-	2	4	-	5	-	6
B	1	3	DC	-	2		4	-	5 - 6
HIB	1	3	-	2	4	-	5	-	6
EHIB	1	3	-	2	4	-	5	-	6
HIB	1	-	2	4	(axb)	-	5	-	6
HIB	1	3	-	2	4	-	(DS)	5	- 6
EHIB	1	3	-	2	4	-	(DS)	5	- 6
1 Thread type: "N" – NPT ANSI ASME B1.20.1 "M" – Metric ISO pitch 1,5 (ISO 965/1 and ISO 965/3) "P" – PG DIN 40430 "PF" – ISO 228/1 2 size and dimensions, according to Tables 3 3 cap: "T" – blue cap for use in circuits Ex-i none – black cap "T" – Tampon blue print on black material (axb): dimensions in mm of sealing ring, as follows: type SXL 5,0x15,0 type SXM 5,0x12,8 type SXS 6,0x10,8 (DS) double sealing ring (S1; S1+S2) DC double crowns (sealing rings) 4 Sealing Material C: Chloroprene seal S: Silicone seal N: NBR (only codes H.. and EH..) 5 Flat washer material Blank: Same material with sealing 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									
T	1	-	2	3	-	4			
HIT	1	-	2	3	-	4			
1: Thread type: "N" – NPT ANSI ASME B1.20.1 "P" – Metric ISO pitch 1,5 (ISO 965/1 and ISO 965/3) "B" – PG DIN 40430 "G" – ISO 228/1 2: size and dimensions, according to Tables 3 3 Washer material Blank: None C: Chloroprene washer S: Silicone washer WF: Fiber washer WE: EPDM washer WN: NBR washer 4 O-Ring material Blank: None OC: Chloroprene O-Ring OS: Silicone O-Ring OE: EPDM O-Ring									
BDPX	1	-	2	-	2		(3)		
1: "B" - Black colour "B" - Blue colour "G" - Green colour 2: size and dimensions according to Table 4 3: Plug size (example PG11)									

Annex to: IECEx IMQ 13.0003X issue No. 11

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

Apparatus: B...-...-...; B..DC-...-...; T...-...-...;
HIB...-...; HIB...-...(axb); HIB...-...(DS); EHIB...-...; EHIB...-...(DS);
HIT...-... BDPX...-...-...



Specific conditions of Use:

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- The cable glands/plugs 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).
- 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/PF 1 ½"/NPT 1 ½" 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 BDPX...-..., mechanical risk have to be taken into account, depending on cable gland and insert cap. When insert cap 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).
- Cable glands for non circular cables shall be fitted with proper cables, suitable for sealing ring, according to this manufacturer's instruction.