DNV·GL

Certificate No:
TAE00003WX

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Gland

with type designation(s)
BM, BI, BM-EN, BS, BPS, BFP, BPFR, BMSP, BISP, BSSP, BFSP, BFSR, BMVG, BSVG, BMOS, BHP

Issued to
BIMED TEKNIK ALETLER SAN. TIC. A.S.
ISTANBUL, Turkey

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Type	Material	Suitable for open deck	Suitable for Hazardous areas
BM, BI, BM-EN, BS, BPS, BFP, BPFR	Non-metalic	Yes	No
BMSP, BISP, BSSP, BFSP, BFSR	Non-metalic	Yes	No
BMVG, BSVG	Non-metalic	Yes	No
BMOS, BHP	Non-metalic	Yes	No

Issued at **Høvik** on **2020-06-08**
This Certificate is valid until **2024-06-30**.
DNV GL local station: **Istanbul**

Approval Engineer: **Nicolay Horn**

for **DNV GL**

Marta Alonso Pontes
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

Classification according to EN 62444

Standard series :

Type designation	**BM, BI, BM-EN, BS, BSR, BSP, BPF, BPFR**
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP68 (5 bar, 30min)/ IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M12 – M63 (BM, BI) Euro Metric thread size: M12 – M63 (BM-EN) Pg thread size: Pg7 – Pg48 (BS, BSR) NPT thread size: 3/8” – 1” (BSP) G(R) thread size: G1/4” – G1 ½” (BPF, BPFR)

Cable protection series:

Type designation	**BMSP, BISP, BNSP, BSSP, BSRP, BFSP, BFSR**
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP68 (5 bar, 30min)/ IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M12 – M25 (BMSP, BISP) Pg thread size: Pg7 – Pg21 (BSSP, BSRP) NPT thread size: 3/8” – 3/4” (BNSP) G(R) thread size: G3/8” – G3/4” (BFSP, BFSR)

Ventilation glands:

Type designation	**BMVG, BSVG**
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP67(0.1 bar, 30 min.) /IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M12 – M20 (BMVG) Pg thread size: Pg7 – Pg13,5 (BSVG)

Push and tighten glands:

Type designation	**BMOS**

6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP68 (5 bar,30min)/ IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M16, M20

Type designation	**BHP**
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type B
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	Resistant to UV lights
6.4.1 IP class	IP68 (5 bar,30min)/ IP66 / IP69
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +80°C
6.5 Sealing system	With a single-orifice seal
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M16, M20

Name and place of manufacturer

BIMED TEKNIK ALETLER SAN. TIC. A.S. Istanbul, Turkey	BIMED TEKNIK Romania SLR Arges, Romania

Application/Limitation

For use in non-hazardous areas. The manufacturer's installation description to be followed.

Type Approval documentation

Tests carried out

Type tests in accordance with EN 62444.

Marking of product

BMD – Type designation

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the periodical assessment are:
• Inspection of factory samples, selected at random from the production line (where practicable)
• Results from routine tests (RT) to be checked (if not available tests, new RT to be carried out)
• Review of possible change in design, materials and performance
• Ensuring traceability between manufacturer’s product type marking and type approval certificate

Periodical assessment shall be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE