

NOTE: 1
DESIGN CODE:
N/A

NOTE: 2
TECHNICAL CLASSIFICATION:
Article Type: 006-El. Connectors
Main Group: 6.01. Subsea USB
Intermediate Group: 6.28.03. 200-900W Subsea USB
Sub Group: 6.28.156.00. Generic

NOTE: 3
INTERFACE INFORMATION:
Pressure Rating Bar: 304
Maximum Water Depth: 3000m
Material: Aluminium Hard Anodize
Weight: 8,3 kg
Volume: 4,4 dm^3
Submerged Weight: 3,8 kg
Surface Area: 14030 cm^2
Sea Water Temp: -10°C to +45°C
Hydraulic: N/A
Mechanical: N/A
Electrical: Terminated to Tether
Com. & Protocol: Ethernet on Single Mode Fiber

NOTE: 4
ADDITIONAL INFORMATION:
The Blue Logic USB B connector system is an inductive subsea connector for transfer of electric power and communication. The system is compact, lightweight and easy to use for subsea intervention, tooling and subsea drone/AUV applications.
BB1062 is a combined connector with built in fiber to copper media converter modem, hence the fiber cable terminates directly onto the connector. The secondary side connector communicates wirelessly with the primary side connector, and the signals converts into the optical cable terminated in the rear end of the connector.
The optical fiber cable interface can be customized to interface different types of cable or to meet client specific termination requirements. The fiber cable is terminated in an oil filled pressure compensated chamber and re-termination can easily be performed even offshore if required.
All electronic components are subject to atmospheric conditions.

Oil filled chamber is compensated by use of a 1m. flexible silicone hose. The hose is laid around the housing on the outside but inside a protective casing.

Must be connected to suitable CP system for long term submersion.

Electrical Wire (BB2703) between BB1065 and BB2023 to secure electrical continuity.

Max power output: 250W
Output voltage secondary side: 325 VDC
Communication Speed Ethernet: 80 Mbps Half Duplex
Supports single mode

NOTE: 5
HARD ANODIZED SURFACE:
50 µ BLACK, IN ACCORDANCE WITH MILITARY SPECIFICATION NO. A-8625 TYPE 3, CLASS 2.
SEALED

10	28.2.2023	7-IFC (Issued for Construction)		HNJ	LGH	HNJ	<div>BLUE LOGIC</div>	Dwg Scale: NTS	Drawing title: USB B Secondary Conn. wFiber Converter Feedthrough System
09	21.5.2019	9-IFU (Issued for Use)		WTJ	LGH	WTJ		Dwg Proj: 	
08	12.12.2018	9-IFU (Issued for Use)		WTJ	LAE	WTJ		Dwg Format: A3	
07	23.11.2018	9-IFU (Issued for Use)		WTJ	LAE	WTJ			Drawing number: BB1062
Rev.	Date	Reason for issue	Revision change	Made	Chk'd	Appr.			Rev. 10