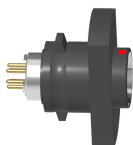


Receptacle with break-away locking for bulkhead flange mounting

Size: 6 (STANAG 4695), IP68, Keying: 0, Number of contacts: 7, PCB, Contact type: Sockets, Signal



Basic information

Part number	B06NOP-P07U230-0000
Category	Connector
Type of connector	Receptacle
Assembly situation	Flange mounting
Size	6 (STANAG 4695)

Contact insert description

Transmission type	Signal
Number of contacts	7
Contact type	Sockets
Contact diameter	0.7 mm
Termination type	PCB
Termination diameter	0.75 mm

Technical information

Nominal current single contact	5 A	EIA-364-70D
Test voltage	0.75 kV AC	EIA-364-20F:2019-02

All shown connectors are rated to a safety extra low voltage (SELV) of less than 50 V AC / 75 V DC, according to IEC 61140:2016 (VDE 0140-1:2016) Protection against electric shock - Common aspects for installation and equipment. In case other standards rule a specific use of the connector, the application specific safety criteria shall be considered first. In this context, lower voltage ratings may be valid. Warning: Danger to life for operating voltages above 50 V AC / 120 V DC!

Cable description

Cable outlet	Overmolding
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Mechanical and environmental data

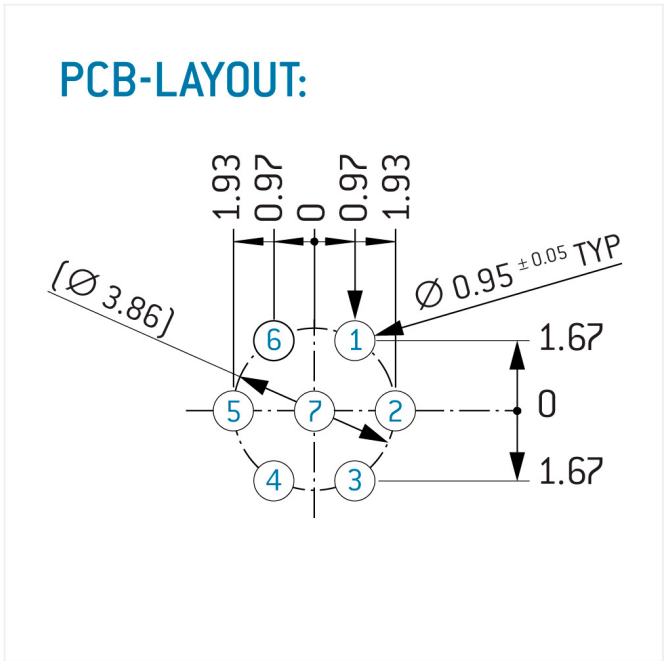
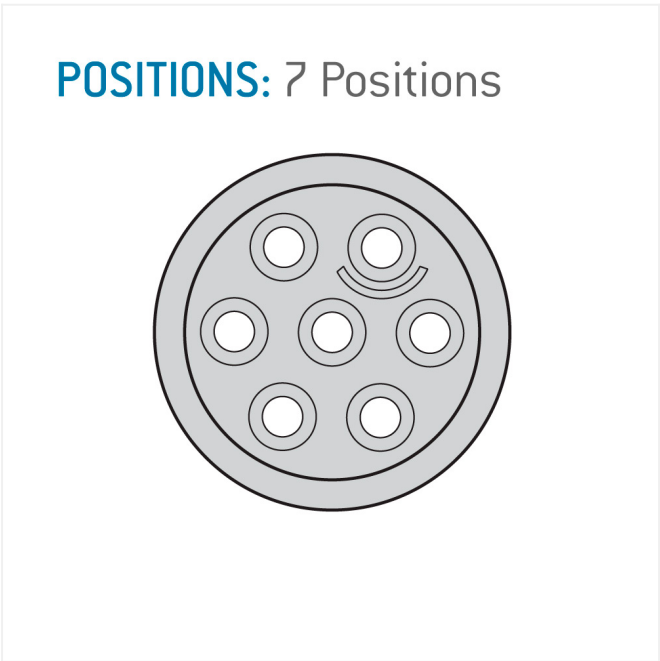
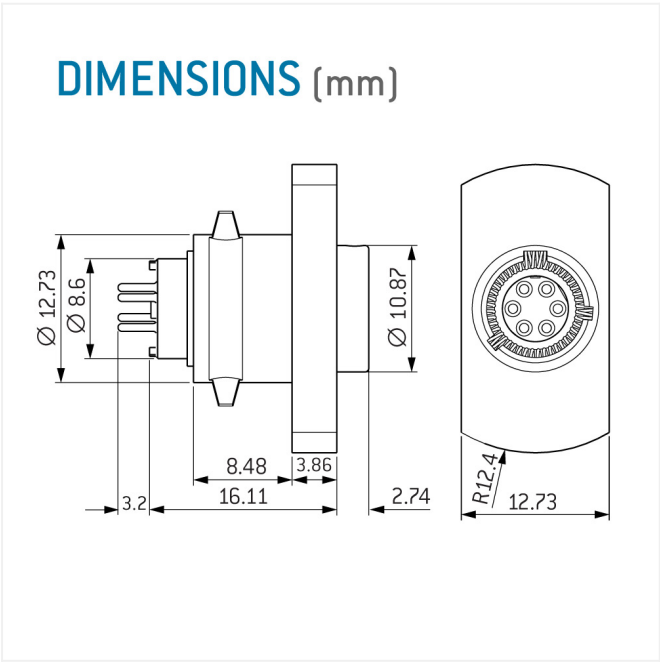
Locking principle	Break-Away
Mating cycles	2000
IP class	IP68
Max. operating temperature	71 °C
Min. operating temperature	-18 °C
Weight	9.999 g

Material and surface treatments

Material	Aluminum with black carbon finish
Insulator material	PEEK
Contact material	Cu-alloy with gold finish

ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.
All shown connectors are defined without breaking capacity [COC] according to IEC 61984:2008 [VDE 0627:2009].

Graphics and technical drawings



PCB Layout with socket contacts: Top view (from component side). Unless otherwise numbered, numbering starts at the contact marked by the bracket and follows the spiral clockwise.

Further technical information and downloads

[3D-File \(STP File\)](#)