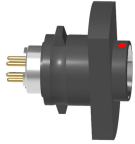


## Receptacle with break-away locking for bulkhead flange mounting

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



### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | B06NOP-P06U230-0000 |
| Category           | Connector           |
| Type of connector  | Receptacle          |
| Assembly situation | Flange mounting     |
| Size               | 6 (STANAG 4695)     |

### Contact insert description

|                      |            |
|----------------------|------------|
| Transmission type    | Signal     |
| Number of contacts   | 6          |
| Contact type         | Sockets    |
| Contact diameter     | 0.7 mm     |
| Termination type     | Solder cup |
| Termination diameter | 0.75 mm    |

### Technical information

|                                |       |                     |
|--------------------------------|-------|---------------------|
| Nominal current single contact | 7.5 A | EIA-364-70D         |
| Test voltage                   | 50 V  | 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 |
|--------------|-------------|

### Mechanical and environmental data

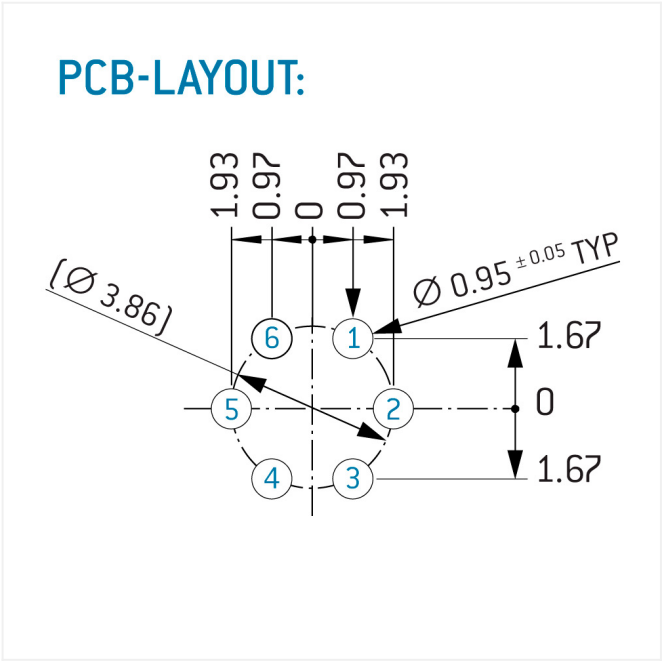
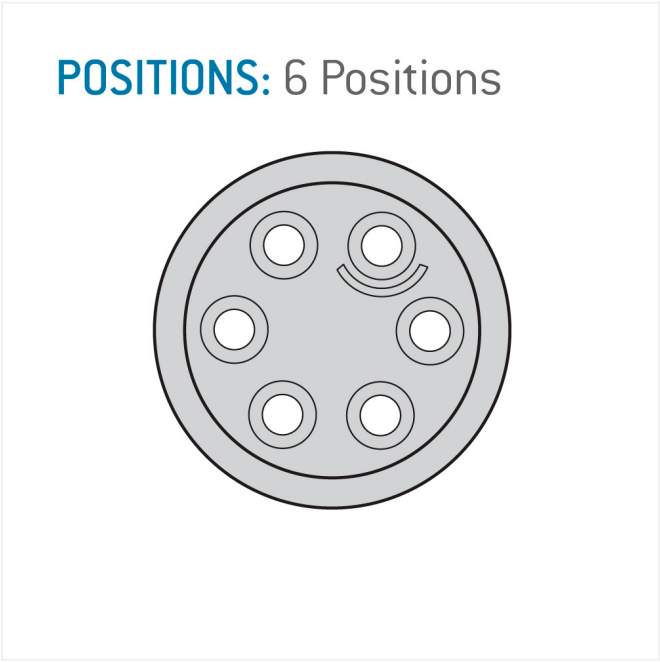
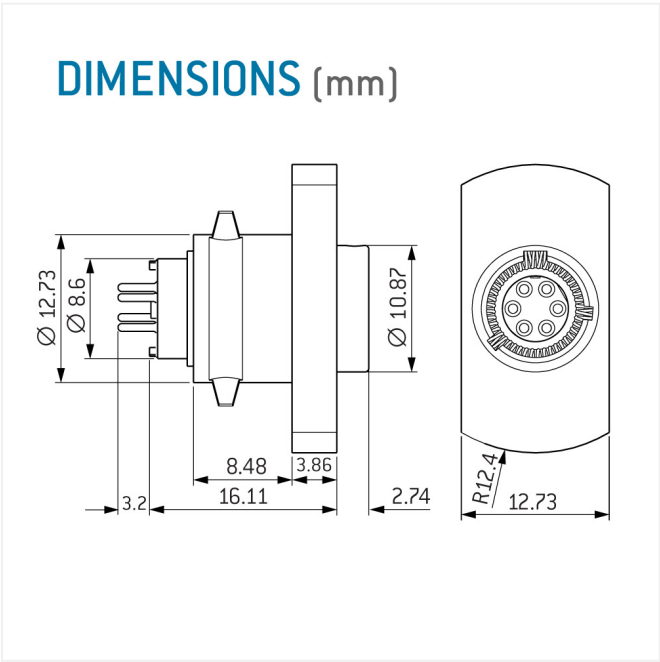
|                            |            |
|----------------------------|------------|
| Locking principle          | Break-Away |
| Mating cycles              | 2.000      |
| IP class                   | IP68       |
| Max. operating temperature | 55 °C      |
| Min. operating temperature | -18 °C     |
| Weight                     | 6.82 g     |

Material and surface treatments

|                    |                             |
|--------------------|-----------------------------|
| Material           | Aluminum with nickel 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 \(STP File\)](#)