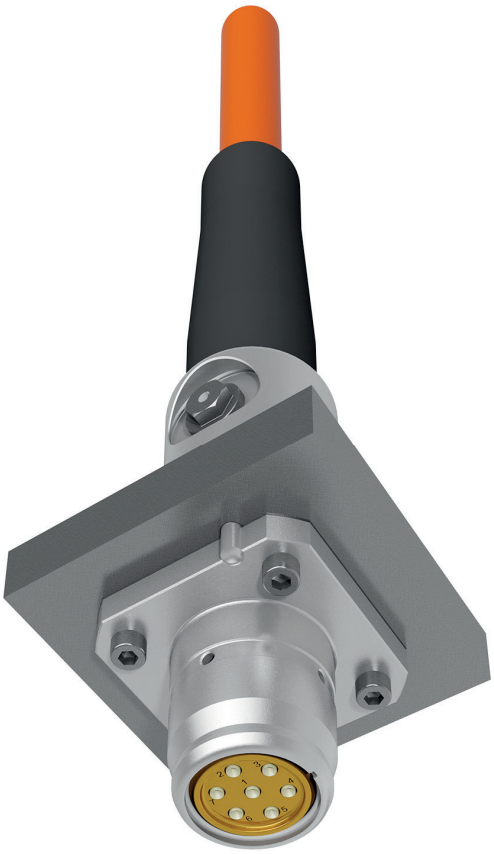
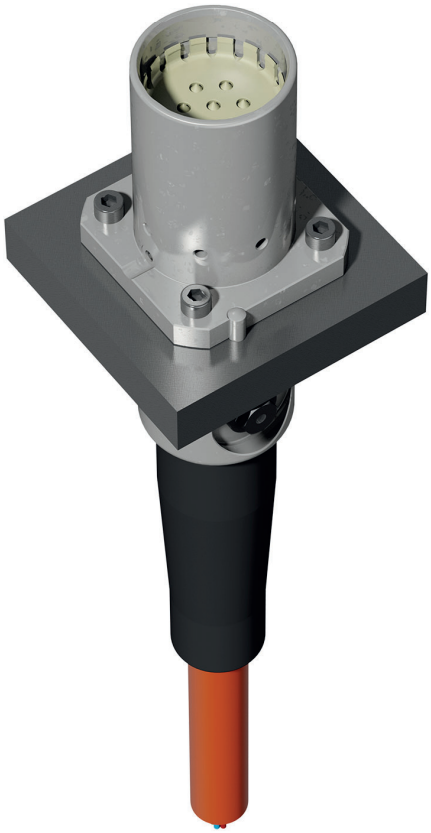
RMS pumptools

SeaConnect™

4/7/12 Way Stab Plate Connectors

RMSpumptools field proven SeaConnect™ electrical connectors provide a wet-mate connection for all subsea monitoring and control requirements including Subsea Trees, production control systems and distribution units. The product utilises RMSpumptools highly reliable proven connection technology. Jumper harnesses, splitter boxes, transducers are offered as part of the configurable system.





Specifications

Current Capacity:	20 amps per contact
Operating Temperature:	-5°C to 60°C
Working Depth:	4,000 metres
Voltage:	1 kV AC
Design Life:	25 years

Materials

Housing:	316 Stainless Steel or Super Duplex
Insulation:	PEEK
Elastomers:	Silicone, HNBR, Nitrile
Electrical Contacts:	Gold Plated Copper

Termination Options

Oil-filled Hose
1/2"NB oil filled hose termination.
Pressure compensation hose.
Field Installable Termination Assembly (FITA) Gland
Pressure compensating termination assembly onto cable.
Oil-Filled termination chamber.
Can be terminated in customer facilities.

Qualification Testing

Contact & Insulation Resistance
Proof Voltage
1000 Mate/De-Mate Cycles
Functional Mate / de-mate
Turbid Tank Partial Mate
Pressure Burst
Flooded Devices
Flooded Front End
Endurance
Thermal Cycles
Shell Continuity
Voltage Withstand
Shock (Drop Test)
Thermal Shock Test
Thermal Vibration Test
Temperature Rise
Connect / disconnect force testing
Short Circuit
High Voltage Breakdown
Flooded Back End
Flooded Back End Long term
Partial Discharge Testing
Bulk Head test
Compliant Flange Test
Helium Leak
Maximum Misalignment
Twisting
Jumper Pull
Jumper Handling Simulation
Oscillating Jumper
Simulated Deployment

Key Performance Features

Patented Latching Device
Flexibly Mounted ROV Handle
Seawater Protected Contacts on both Male & Female
No Dummy Connectors required for protection when unmated in Subsea Environments
Oil Filled Pressure Balanced Design

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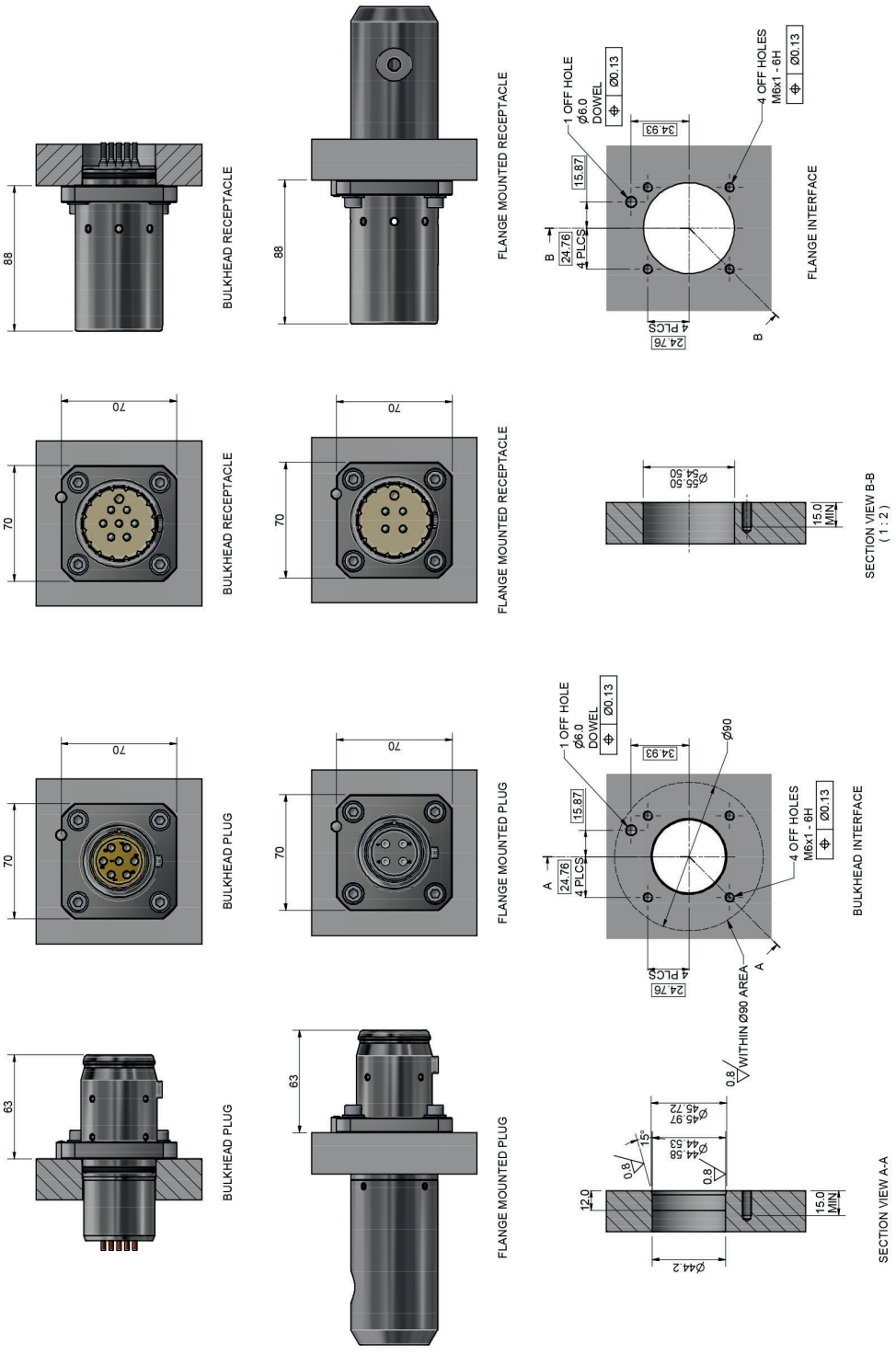
4/7 Way Stab Plate Connector



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12 Way Stab Plate Connector