

# 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 TRL 7 connection technology (in accordance with API 17F were applicable). 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:	30 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





