

## SeaConnect™

### DW (Deep Water) - 4/7/12 Diver-Mate 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

#### Terminal Options

Oil-filled Hose  
 1/2"NB oil filled hose termination.  
 Pressure compensation hose.  
 Simpler and less expensive than cable terminations.

#### 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 & Vibration  
 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  
 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.





