

SeaConnect™

4/7/12 Diver-Mate Connectors

RMS pumptools 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 RMS pumptools highly reliable proven TRL 7 connection technology (in accordance with API 17F where 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

Subsea Oilfield Pressure Balanced Hose – Omnitec Mk2 fittings
 Factory Subsea Cable Assembly
 Field Attachable Cable Termination (FITA)

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.



