

## WellPower™

### HV Electrical Penetrator

RMSpumtools WellPower is a range of high and medium power Wet-Mate Connectors developed specifically for the Oil and Gas market. The Connector technology is proven in the marine environment, providing reliability and ease of system operations during installation.

#### Operational Requirements

Location within Completion:	Subsea Environment
Design Life:	25 years
Rated Depth:	3000Metres
Rated Pressure:	5,000 psi
Working Temperature Range:	-20°C to 60°C (-4°F to 140°F)
Storage Temperature Range:	-30°C to 40°C (-22°F to 104°F)

#### Electrical Specification

Number of Contacts:	3
Contact Method:	Crimped Terminations
Working Voltage:	3.6/6(7.2) kV
Test Voltage (to Earth):	14.4 kVdc
Ampacity:	250 A (cable limiting factor)
Frequency Range:	47 - 52 HZ

#### Material Specification

Housing:	SS 316 / High Strength CuproNickel
Insulation:	PEEK, EPDM

#### Design Philosophy

IEC:	60502-2, 60502-4, 60228
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#### Cable and Hose

Siwo-kul 35mm<sup>2</sup> Cable  
 Hose via Hose Fittings Connection  
 Oil-filled & Pressure Balanced  
 Other Cables available

#### Qualification Testing

Shell Continuity  
 Proof Voltage  
 Insulation Resistance  
 Contact Resistance  
 Partial Discharge (PD)  
 Pressure Test  
 Thermal Short Circuit  
 Temperature Cycles  
 Pull Test

#### Key Performance Features

Energised Seals  
 Elastomeric Back-up Sealing  
 Design suits a range of Cables  
 Flange Seal Test Port

