

WellPower™

HV Electrical Penetrator

RMSpumptools 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 35mm² 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

