

**Series 22 Geo-Marine®
High Density Severe Environment
Hermetic Connectors**



**Corrosion Resistant Glass Sealed Hermetic Connectors Designed for Use
in Harsh Geophysical, Marine and Oil-Patch Applications**

Series 22 Geo-Marine® hermetic connectors feature single-start stub-Acme threads for quick coupling of plug and receptacle, reducing thread fouling and binding as a result of dirt, grit and other foreign debris. Receptacles can be ordered in standard and scoop-proof shell styles for

maximum design flexibility. Gold plated nickel-iron alloy 52 solder cup contacts, available in sizes 8, 12, 16, 20 and 22, depending on the layout chosen, offer a wide selection of insert arrangement options.

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Performance Characteristics			
Hydrostatic Pressure Rating		5000 psi (fully mated)	
Operating Temperature Range		-65°C to +175°C	
Durability		500 Cycles of mate/demate	
Class H Hermetic Receptacles			
Open-Face Pressure Rating		1000 to 5000 psi (Depending on Insert Arrangement)	
Hermeticity		Less than 1 X 10 ⁻⁶ sccHe/second @ 1 Atmosphere	
Current Rating		Hermetic	
Contact Size 22		3 amps	
Contact Size 20		5 amps	
Contact Size 16		10 amps	
Contact Size 12		17 amps	
Service Rating	Suggested Operational Voltage (Sea Level)		Test Voltage (Sea Level)
	AC(RMS)	DC	
M	400	550	1300 VMRS
N	300	450	1000 VMRS
I	600	850	1800 VMRS
II	900	1250	2300 VMRS
Insulation Resistance		1000 Megohms minimum at 500 VDC	