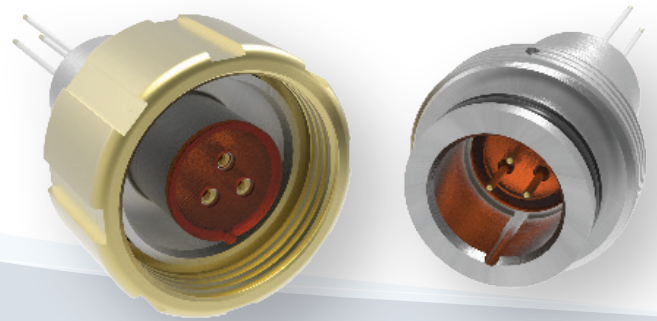


100 Series Connector

Glass to Metal Sealed Connectors

RELIABLE TO FULL OCEAN DEPTH

- Multiple shell insert configurations
 - 3 to 40 contacts
 - Straight, mated plugs and receptacles
 - Right angle, mated plugs and receptacles
- Advanced coatings are available for application to the metal plug shell to **delay the cathodic bond delamination**:
 - DGO-1 is a proprietary factory applied advanced performance primer
 - Glass Reinforced Epoxy (GRE) over coat is available for applications where cathodic delamination is considered high risk
- **Thru hull fittings** available in turret and single type
- Polyurethane molded insulator with **NiCu shells**
- Receptacle inserts are **molded with high impact epoxy** (chockfast) and a **nickel copper body**
- Receptacles come supplied with 15 foot pigtails for direct installation
- Available as molded cable assemblies or in kit form



100 Series Connector

PRODUCT FEATURES

- Designed, manufactured and tested according to Mil-C-24231 requirements
- Rated for 2,000 psig in standard configuration with Chockfast orange inserts for submarine approved equipment
- Used in Navy dry mate submersible interconnect applications
- Standard with NCC (non-cathodic) bond enhancement coating that complies with NCC standards governed by the Navy Molding Manual
- Teledyne DGO is a Navy ProMold Certified supplier and offers a variety of polyurethane molding shapes and configurations



100 Series Connector

Glass to Metal Sealed Connectors

TECHNICAL SPECIFICATIONS*

GENERAL SPECIFICATIONS	
Operational Temperature	-40°F to 165°F (-40°C to 74°C)
Storage Temperature	-65°F to 175°F (-54°C to 80°C)
Max Operational Pressure	2,000 psi (~4,500 ft/ ~3272 M)
Shell Material	Nickel/Copper (NiCu)
ELECTRICAL SPECIFICATIONS	
Operational Current	7.5 Amps
Max Operating Voltage	1,600 VRMS
Insulation Resistance	2,000 megohms or greater when measured between any pair of contacts and between contacts and shell using 500 volts DC test. Shield to ground 100 megohms.
Frequency Range	60 Hertz

*Performance values generally based on historical application requirements

