

Hermetic Connector

HERMETIC SEALED CONNECTOR FOR HARSH ENVIRONMENT CONNECTORS

Amphenol offers glass/epoxy sealed Hermetic Connectors which offer a highly reliable electrical connection at both ends serving as a feed through. These connectors/cable assemblies are available in various pin configurations and are suitable for high temperature, high pressure applications like gas/water energy metering, medical applications like X-Ray machines.

Glass sealed contacts with a current rating up to 3A
operating temperature range up to 200°C.



TARGET MARKETS



FEATURES

- Provides superior sealing
- Operates under severe high-temperature vibration
- Glass sealed contacts with a current rating up to 3A
- Operating temperature range up to 200°C
- High corrosion resistance

BENEFITS

- Suitable for industrial instrumentation, gas/water meters and medical applications
- Suitable for harsh environment applications
- Reliable electrical connection
- Suitable for high temperature environments
- Shells with Nickel/Gold plating withstand a 500-hour salt spray exposure

TECHNICAL INFORMATION

MATERIAL

- Housing: Leaded MS or SS
- Insulator: Glass, Epoxy
- Contacts: Nilo 48–52
- Contact Finish: Gold over Nickel

MECHANICAL PERFORMANCE

- Mating Load: 2.5N
- Mating De Mating: 100 cycles

ELECTRICAL PERFORMANCE

- Current Rating: 3A per contact max.
- Contact Resistance: 20 mΩ
- Dielectric Withstanding Voltage: 1000 Vrms
- Insulation Resistance: 1000MΩ @ 500V

ENVIRONMENTAL

- Operating Temperature Range: –40°C to 200°C
- Operating Pressure: Upto 100psi

TARGET MARKETS/APPLICATIONS



Gas/Water Metering



Medical

PART NUMBERS

Description	Part Number
6 pin Hermetic Connector	10144569–002LF
2 pin Hermetic Connector	10157297–002LF