TE Connectivity (TE)’s SEACON GM4, GM12 and GM24 penetrators provide electrical power and signals from ambient pressure to an atmospheric environment while providing a water tight glass to metal seal. Available in custom configurations for specific requirements. The glass, electrical contact and metal shell help to give a reliable connection in harsh environments.

**GENERAL SPECIFICATIONS**
- **Design Life:** Up to 25 Years
- **Operational Depth (Max):** 3,000m
- **Operational Temperature:** -18°C to +70°C
- **Storage Temperature installed in Assembly:** -30°C to +70°C
- **Shell Material:** Stainless Steel 316L, UNS S31603
- **Boot Seal Material:** Natural Rubber and HNBR
**SEACON Contact Penetrator**

**QUALIFICATION & VERIFICATION TESTING**

- Hyperbaric Pressure Tested: To 690 bar
- Qualification Temperature Rise Tested in accordance with ISO 13628-6
- Q1 Shock and Vibration Tested in accordance with ISO13628-6
- Temperature Test With Current Load on All Pins: 1A/24VDC
- Helium Leak Rate: <1,5 x 10⁻⁶
- Ethernet Standard Compliance and Performance Tested: 100Mbit Cat.5e

**ELECTRICAL PERFORMANCE**

- Dielectric Withstand Voltage 1500VDC: <5μA
- Minimum Insulation Resistance (1000VDC/<1A): >2 GΩ
- Maximum Contact Resistance (24VDC/6,5A): <10 mΩ
- Ethernet: Cat.5e

**CONFIGURATIONS**

- 4, 12 or 24 off Electrical Circuits per Penetrator: AWG14 to AWG28
- Contact TE for further details

**NOTE:** All pin patterns are seen from pressure side

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Consult TE for the latest dimensions and design specifications.

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