



UNDERWATER ELECTRICAL AND FIBER OPTIC CONNECTORS

# NEWS BULLETIN

## API CONNECTOR SERIES

### INTRODUCTION

SEA CON® has historically adapted existing products to meet changing market needs. For decades, SEA CON's highly successful Metal Shell Series (MSS) connector range has offered high contact density and a variety of power and signal configurations to meet customer underwater power and data requirements. Adapted from that series, the SEA CON API connector series complies with American Petroleum Institute (API) specifications 16D (Control Systems for Drilling Well Control Equipment and Control Systems for Diverter Equipment) and 17E (specification for Subsea Umbilicals).



### KEY FEATURES

- Bulkhead connectors designed to be compliant with API 16D. Bulkhead also available with reverse pressure design
- Cable connectors and assemblies designed to be compliant with API 16D and API 17E
- Open face pressure rating on bulkhead connectors
- Redundant sealing at all pressure barrier interfaces
- Test ports for testing between dual seals
- Boot sealing in cabled connectors and assemblies in event of flooded cable conditions
- Electrical, Optical and Hybrid connectors configurable in all 8 shell sizes
- Pressure Testing Mated and Open-face at FAT (Factory Acceptance Testing)
- Custom interfaces available

### APPLICATIONS

- Blow Out Prevention Systems
- Riser Monitor Systems
- Drilling and Control Systems

### PERFORMANCE

- Voltage Rating: 600VDC
- Current Rating: Dependent on contact sizing
- Pressure Rating Mated and Open Face: 10,500 psi
- Test Port: SAE 3/16" (alternative sizes and designs available)

### SPECIFICATION

- Shells: 316 SS
- Engaging Nut: CA630 (or equivalent)
- Insert Body: Glass Filled Epoxy
- Contacts: Copper Alloy Gold Plated
- 'O' Seals: Nitrile

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