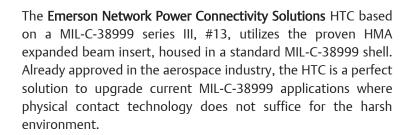
# **HTC Series**



The innovative designs ensure its ability for deployment in the toughest environments where high performance and total reliability are critical. The HTC is an excellent solution where high vibration is experienced and excellent performance levels need to be maintained for applications such as aerospace, oil & gas, industrial, and mass transit.

Benefiting from Stratos expanded beam technology, with a long and proven industry track record, the precision optical alignment creates immunity from water, mud, dust, oil, and other contaminants.

The HTC follows our unique designs where the connectors can be fully field repairable.

### **Key Features & Benefits**

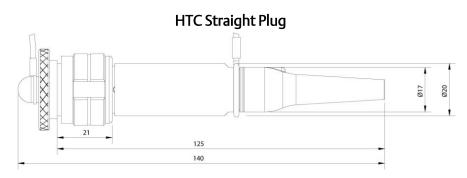
- Advanced expanded beam technology
- Anti vibration coupling mechanism
- 1 to 4 fiber channels in multimode
- Hybrid electrical & fiber channel options available
- Rugged field repairable connector design
- Best optical performance available
- Proven connector shell method
- Combined fiber and electrical channels
- Inexpensive, low downtime field repair
- Easy clean, no special tools
- Termination <30 minutes</li>



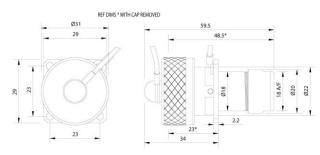




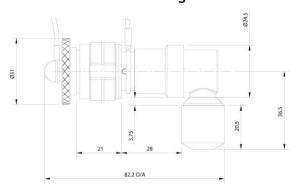
#### All dimensions are in mm

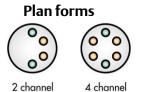


#### HTC Square Flange Bulkhead



HTC 90° Plug





Protective caps are included with assemblies unless otherwise stated

Termination and repair kits are available

#### **Technical Specifications**

Performance	
Optical Loss	50/125 @ 850/1300nm 1.0 dB typ
Operating Temperature	-40 to +70°C
Storage Temperature	-55 to +85°C
Water Immersion	Up to 2M depth
Vibration Sinusoidal	10-500Hz, 0.75 amplitude @ 10g acceleration
Free Fall Resistance	500 falls onto concrete from 1.2M height
Bump Resistance	4000 bumps @ 40g acceleration
Tensile Strength	Tensile of 1500N, cable dependent
Cable Variations	Compatible with tactical cable: Plug ≤6mm o/d Bulkhead ≤3mm o/d Other cable sizes available on request

For details and technical information on the hybrid versions, please contact the factory. All tests compliant to BS EN 186000-1 specifications.

Emerson Network Power Connectivity Solutions Stratos 299 Johnson Ave. Waseca, MN 56093 1-800-247-8256

## **Connectivity Solutions**

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