

HX-1080™ Expanded Beam (EB) Connector

The all new Stratos HX-1080 Series HD & SD TV non-contact connectors

These hybrid fibre /electrical connectors are backed by more than 25 years experience with expanded beam (EB) fibre connector technology and are already the performance bench-mark in military harsh environment tactical applications where reliability and consistent field performance are a given.

In support of the deployment of **HDTV** and progressing from the limitations of legacy fibre contacting connector interfaces, Stratos has drawn on its unique experience for the development of the **HX-1080** Broadcast Series. With world leading singlemode EB optical performance using **protected lensed fibres**, the Stratos **HX-1080** is designed to meet and exceed the generic requirements of the SMPTE specifications. On cameras at Studio or OB locations Stratos **HX-1080** Series connectors provide a solution that will work first time and every time. Offering unrivalled performance and versatility with low cost de-skilled field re-instatement solutions, and World- Wide support the **HX-1080** are now set to become the new bench-mark for hybrid connectors in the challenging Broadcast environment

Connector Specification

Optical Insertion Loss Typ -0.75dB
(Singlemode 9/125µm 1310nm)
Optical Return Loss >-45dB
Auxiliary Pwr. Elec. 600V ac 10A
Signal Elec. 42V ac 1A 60V dc 1A
Aux. Pwr. Contact resistance <4mΩ
Signal Elec. Contact resistance <5 mΩ

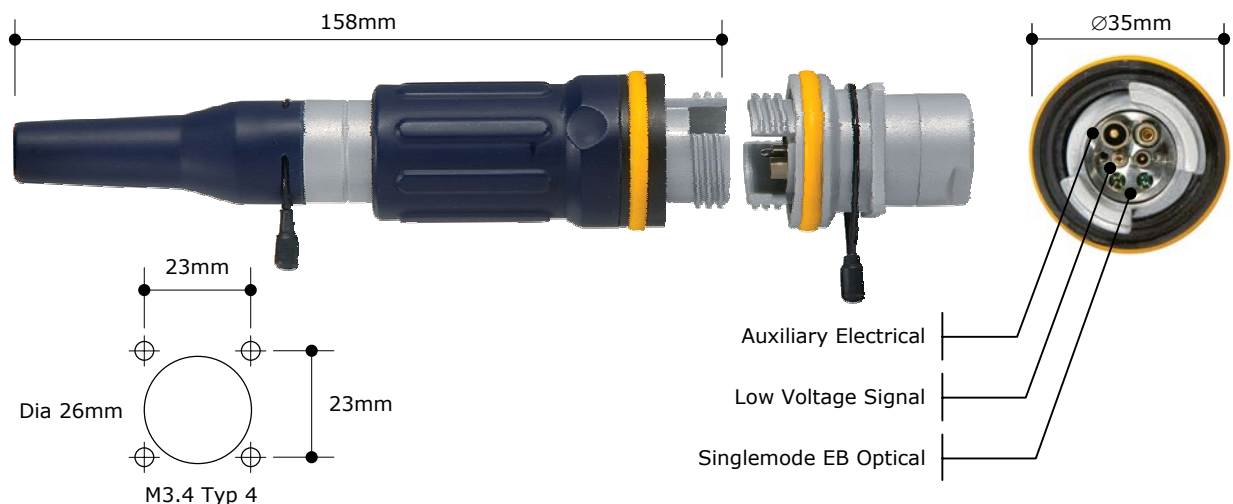
Operating Temperature -40°C to +85°C
Storage Temperature -55°C to +85°C
Tensile Load >1000N (Cable dependant)
Endurance >2000 mating cycles
IP 67 Environmental Seal rating
Crush Resistance: >3000N
Free fall, 500 onto concrete from 1.2m

- Rugged Hermaphroditic
 - Adapter Free Deployment
 - SMPTE Compatible
 - Flexible Install Options
 - Field Re-instatement
- Solutions**
- Ergonomic Design
 - High Performance
 - Easy Clean Interface
 - Non-contact Optics
 - High reliability/durability
 - IP 67 Sealing
 - Worldwide Support

Top Left:
HX-1080 Plug and bulkhead assembly showing blind mate thumb feature and interchangeable colour identification system.

Bottom Left:
HX-1080 Bulkhead Panel mount detail

Top Right:
Opto-electrical Pin-out configuration.



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