

HMA-S Series connector

Description:

The OPTOKON HMA-S connector series, a large size „Expanded Beam“ connector is designed for connection of the nodes of tactical network by the help of cables with optical fibers. The used expanded beam technology preserves all advantages of signals transmission through the optical lines in field harsh environmental conditions. Additionally to military optical networks the HMA-S is suited for a vast array of applications, like heavy industry connections, petrochemical application, broadcasting temporary optical lines.

The innovative designs ensure its ability for deployment in the toughest environments where high performance and total reliability are critical. Benefiting from expanded beam technology the precision optical alignment system creates immunity from water, mud, dust oil and other contaminants.

The HMA-S Hermaphroditic coupling eliminates the need for adaptors and male and female mating halves. Hermaphroditic housings allow for rapid deployment, creating low loss Single mode and Multimode daisy chained links in a variety of planforms ranging from simplex fiber to a four fibers. The OPTOKON HMA-S is ideally suited for environmental extremities where low maintenance and quick reparability is necessary.

Features:

- Advanced expanded beam technology
- Hermaphroditic interconnection
- 1 to 8 fiber channels Single mode or Multimode
- Low insertion loss / high return loss
- Hybrid electrical & fiber channel options available
- Rugged field repairable connector design

Benefits:

- Best optical performance available
- No adaptors necessary
- Combined fiber and electrical channels
- Inexpensive, low downtime field repair
- Easy clean, no special tools

Application:

- Broadcast
- Military communications
- Industrial
- Petrochemical

Materials:

- Anodized high grade lightweight alloy
- Neoprene BR568 Grip ring



Plug Connector:



Bulkhead Jam-Nut

Ordering code:

HMA -S	-	(XX)
-	plug	
BN	bulkhead jam nut	
BF	bulkhead flange	
BFL	bulkhead low profile	

X(SM, M5, M6)	-	Y(D,P)
X	fiber number	
Y	contact number	
YD	data, size 20	
YP	power, size 16	

Typical configuration:

HMA-S – 6SM HMA plug connector, 6 SM fiber channels

HMA-S – 4SM-2P HMA plug connector, 4 SM fiber channels, 2 electrical power contacts

