

FALCON™ MINI SLP D-HOLE

Productsheet
Falcon™ Mini SLP D-hole

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The FALCON connectors has the best optical performance on the market. This is achieved with Micropol's lens technology, state of the art production and alignment process.

The FALCON Mini (SLP) Super-Low Profile is the smallest expanded beam connector available on the market today. It can be configured with single-mode or multi-mode from 1 channel to 4 channels.

The Super-Low Profile allows it to be used even in the most cramped environments and installations.

Like the other connectors in the FALCON-family, it is compatible with other Mini-size expanded beam connectors on the market.



COMPATIBLE WITH:

FIBRECO - MINI 2

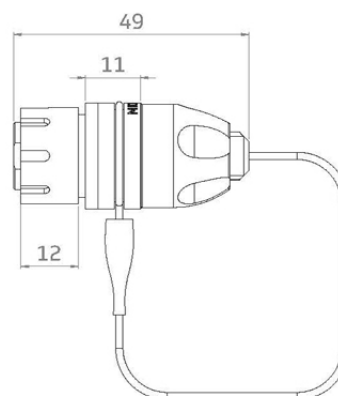
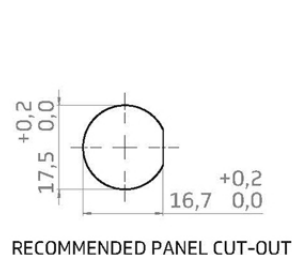
QPC Q - MICRO

TE PRO-BEAM - MINI

TELECAST MX - MINI

FEATURES

- Built according to MIL-M83526/20&21
- Advanced expanded beam technology
- Hermaphroditic interconnection
- 1 to 4 fiber channels single-mode or multi-mode
- No adaptors needed
- Low downtime field repair
- Easy clean, no special tools



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Optical

| | |
|---------------------|--|
| Type | Single-mode (SM), Multi-mode (MM) or hybrid |
| Insertion Loss (SM) | Typical insertion loss - 0,8 dB (1310 nm) Maximum insertion loss - 1,2 dB (1310 nm) |
| Insertion Loss (MM) | Typical insertion loss - 0,8 dB (1300 nm) Maximum insertion loss - 1,0 dB (1300 nm) |
| Return Loss | >35dB at 1310 nm or 1550 nm Polarization dependent loss less than 0,35 dB |

Mechanical

| | |
|----------------------------|--|
| Coupling type | Hermaphroditic |
| Compliant | ROHS & REACH |
| Material | Hard anodized aluminum |
| Alternative material | Marine bronze & stainless steel |
| Colour | Gray |
| Durability | 3000 mating cycles |
| Free fall | 500 falls from 1,2 meters height |
| Vibration | 5-500Hz, 0,75mm amplitude at 10G |
| Shaking | 390 m/S numbers of shakes 3x4000 |
| Shock pulse length | 11ms, half sine at 35g Numbers of axis: 3 (x, y, z) |
| Recommended wall thickness | 2-3 mm |

Enviromental

| | |
|-----------------------|---------------------------------|
| Operating Temperature | -57°C to +85°C, +100°C optional |
| Water Immersion | IP67 |
| Air pressure | <25kPa -55°C during 4h |
| Corrosion resistance | 500h salt spray |
| Flammability | DOD-STD-1678, method 5010 |