Optical Fiber Distribution Box

KEY FEATURES

• DIN-Rail & Surface mountable transitional fiber distribution point
• Maximum of 24 optical fiber termination density
• Splice holding feature for up to 12 fibers or 24 overall
• Eight brackets to assist with proper fiber slack management
• Two cable entry points with multiple fitting options accommodates a variety of applications
• LGX modular adapter plate with plunger locks integrated
• Durable steel case with high-impact, corrosive resistant black finish

The Signamax Optical Fiber Distribution Box is a multi-functional tool that may be used as a transition device (e.g., demarcation point, transition point, manifold industrial outlet, etc.) in several networking environments such as industrial floor, commercial office, protected outdoor installation.

It’s ability to mount on surfaces and DIN-rails, both normal and flat, its small form factor, standard LGX mounting interface, and various cable entry ports (compression fittings, MPO adapters) make OFDB a product of choice where there is a requirement for a small yet robust optical fiber distribution hub based on connectorization and splicing technologies.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>OFDB-01</td>
<td>Surface Mount Optical Fiber Distribution Box</td>
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<tr>
<td>OFDB-01DR</td>
<td>DIN-Rail Mount Optical Fiber Distribution Box</td>
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ACCESSORIES

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>OFDB-01-01</td>
<td>Blank Cable Entry Port Cover with mounting screws</td>
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<tr>
<td>OFDB-01-02</td>
<td>2 x MPO-A Adapter with mounting screws</td>
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<tr>
<td>OFDB-01-03</td>
<td>1 x MG12 cable gland adapter with mounting screws</td>
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<tr>
<td>OFDB-01-04</td>
<td>1 x MPO-A Adapter with mounting screws</td>
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<tr>
<td>OFDB-01-05</td>
<td>Optical Fiber Splice Holder - 6 fibers with 6 OFFSS-30-60 sleeves</td>
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<tr>
<td>OFDB-01-06</td>
<td>Optical Fiber Splice Holder - 12 fibers with 12 OFFSS-15-40 sleeves</td>
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Adapter plates and splice holders sold separately. Both models include mounting screws, a blank fitting, adhesive administration label, and installation instructions. OFDB-01DR also includes one DIN-Rail clip.
### SPECIFICATIONS

**CONSTRUCTION**
- **Housing:** Steel with Corrosive resistant black finish
- **Front Cover:** Aluminum

**CAPACITY**
- **Communication Ports:**
  - OFDB-01-04: up to 12 fibers
  - OFDB-01-02: up to 24 fibers
  - OFDB-01-03: up to 24 fibers
- **Adapter Plates:** 1 Max up to 24 fibers; LGX format
- **Splice Holders:** 2 Max
  - OFDB-01-05: up to 6 fibers (12 overall)
  - OFDB-01-06: up to 12 fibers (24 overall)

**MOUNTING DIMENSIONS:**
- **Depth:** 5.32” (135 mm)
- **Width:** 1.18” (30 mm)
- **Height:** 5.12” (130 mm)
  - OFDB-01: Flat surface, screws
  - OFDB-01DR: 35-mm DIN-Rail, clip

**ENVIRONMENTAL CONDITIONS**
- **Operating Temperature:** 14 °F to 140 °F (-10 °C to 60 °C)
- **Storage Temperature:** -40 °F to 158 °F (-40 °C to 70 °C)
- **Operating RH:** 93% Max (non-condensing)

**WARRANTY**
- 5 - Year Limited Component

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### Internal View Detail

- Four PEM nuts for mounting cover
- PEM nuts for mounting on DIN-Rails (flat)
- Fiber management/slack storage (8 brackets)
- Splice holder mounting post
- Four holes for mounting on surfaces (flat)
- Tow holes for mounting LGX adapter plates
- Cable entry fitting (blank, MG12, MPO)
- Holes for mounting on surfaces (normal)
- Cable strain relieve lances
- PEM nuts for mounting on DIN-Rail (normal)
- Cable entry port (two per box)
- Four holes for mounting cable entry fitting