EASY MATING
FULLY CLEANABLE
LOW PROFILE

- No key code, 360° mating freedom
- Blind-mate, non-magnetic quick-release locking
- Fully cleanable, plug and receptacle
- Easy integration, MOLLE compatible
- IP68 sealed to 20m/24h
### AVAILABLE SIZES 1:1*

- **08 (4 contacts)**
- **14 (7 contacts)**

### BODY STYLES

#### PLUGS

**CABLE MOUNTED**
- **BODY STYLE**
  - **FLP01**
  - **FLP01**

- Locking system: Quick-release
- Sealing: IP67
- Size: 8
- Contact: 4
- Housing material: Plastic
- Size: 14
- Contact: 7
- Housing material: Metal

#### PANEL FRONT MOUNTED

**BODY STYLE**
- **FLP03**
- **FLP03**

- Locking system: Quick-release
- Sealing: IP68
- Size: 08
- Contact: 4
- Housing material: Metal
- Size: 14
- Contact: 7
- Housing material: Metal

#### PANEL REAR MOUNTED

**BODY STYLE**
- **FLR01**
- **FLR01**

- Locking system: Quick-release
- Sealing: IP68
- Size: 08
- Contact: 4
- Housing material: Metal
- Size: 14
- Contact: 7
- Housing material: Metal

### TECHNICAL DIMENSIONS

#### PLUG FLP01

**SIZE 08 – PLASTIC**

- **Plastic**
  - Size: 08
  - ØB: 4.8
  - C: 16.2
  - ØD: 20.4
  - E: 59.7
  - Panel Max: 3.0
  - F: 23.8
  - G: 2.2
  - H: 18.9
  - I: 2.5
  - J: 2.0
  - Weight (without cable): 15.8 g

**SIZE 14 – METAL**

- **Metal**
  - Size: 14
  - ØB: 5.4
  - C: 15.6
  - ØD: 25.4
  - E: 67.4
  - Panel Max: 3.0
  - F: 23.4
  - G: 1.4
  - H: 18.5
  - I: 2.5
  - J: 1.5
  - Weight (without cable): 44.5 g

*Note: Plug is only available pre-cabled with a standard cable length (1m). Contact sales for customized solutions.*
TECHNICAL DIMENSIONS

RECEPTACLE FLR01

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Panel Max</th>
<th>E</th>
<th>ØF</th>
<th>ØG</th>
<th>H</th>
<th>M</th>
<th>ØN</th>
<th>P</th>
<th>X</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 Plastic</td>
<td>13.8</td>
<td>2.2</td>
<td>2.5</td>
<td>0.2</td>
<td>3.0</td>
<td>2.0</td>
<td>8.0</td>
<td>19.9</td>
<td>17.9</td>
<td>M14x0.5</td>
<td>2.0</td>
<td>10.3</td>
<td>1.5-2.0</td>
<td>3.3 g</td>
</tr>
<tr>
<td>08 Metal</td>
<td>13.0</td>
<td>1.4</td>
<td>2.5</td>
<td>1.0</td>
<td>3.0</td>
<td>1.5</td>
<td>8.0</td>
<td>19.9</td>
<td>17.9</td>
<td>M14x0.5</td>
<td>2.0</td>
<td>10.3</td>
<td>2.0-4.0</td>
<td>7.5 g</td>
</tr>
<tr>
<td>14 Metal</td>
<td>13.0</td>
<td>1.4</td>
<td>2.5</td>
<td>1.0</td>
<td>3.0</td>
<td>1.5</td>
<td>14.0</td>
<td>24.9</td>
<td>22.9</td>
<td>M19x0.5</td>
<td>2.5</td>
<td>12.8</td>
<td>2.0-4.0</td>
<td>15.2 g</td>
</tr>
</tbody>
</table>

Note: Receptacle is only available pre-cabled with a standard cable length (0.5m). Contact sales for customized solutions.

PLUG FLP03

| Size 08/14 – METAL |

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Panel Max</th>
<th>F</th>
<th>G</th>
<th>ØH</th>
<th>ØJ</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 Metal</td>
<td>13.0</td>
<td>3.5</td>
<td>2.7</td>
<td>2.5</td>
<td>21.0</td>
<td>3.7</td>
<td>42.0</td>
<td></td>
<td>25.0</td>
<td>17.6</td>
<td>20.5 g</td>
</tr>
<tr>
<td>14 Metal</td>
<td>13.0</td>
<td>3.5</td>
<td>2.7</td>
<td>2.5</td>
<td>26.0</td>
<td>3.7</td>
<td>42.0</td>
<td></td>
<td>30.0</td>
<td>22.6</td>
<td>32.6 g</td>
</tr>
</tbody>
</table>

RECEPTACLE FLR50

| Size 14 – METAL |

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>ØB Max</th>
<th>C</th>
<th>ØD</th>
<th>E</th>
<th>Weight (without cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 Metal</td>
<td>18.9</td>
<td>5.5</td>
<td>17.5</td>
<td>26.9</td>
<td>56.9</td>
<td>25.0 g</td>
</tr>
</tbody>
</table>
MATERIAL & SURFACE FINISH

SIZE 08 – PLASTIC
1 Bend relief – TPE  
2 Locking – Stainless Steel  
3 Housing – PEEK Black  
4 Tracks – Cu Alloy

SIZE 14 – METAL
1 Bend relief – TPE  
2 Locking – Stainless Steel  
3 Housing – Brass Anthracite Nickel  
4 Tracks – Cu Alloy

ENVIRONMENTAL, MECHANICAL & ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Size 08 – Plastic</th>
<th>Size 14 – Metal</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealing</td>
<td>IP67, 0.2m / 30min</td>
<td>IP68, 20m / 24h</td>
<td>IEC 60529, MIL-STD-810 Method 512.6</td>
</tr>
<tr>
<td>Mated condition</td>
<td>IP67, 0.2m / 30min</td>
<td>IP68, 0.2m / 30min</td>
<td></td>
</tr>
<tr>
<td>Plug without cap</td>
<td>IP67, 0.2m / 30min</td>
<td>IP67, 0.2m / 30min</td>
<td></td>
</tr>
<tr>
<td>Receptacle without cap</td>
<td>IP67, 0.2m / 30min</td>
<td>IP67, 0.2m / 30min</td>
<td></td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>-40°C to +85°C</td>
<td>-55°C to +135°C</td>
<td>MIL-STD-810 Method 501.6 and 502.6</td>
</tr>
<tr>
<td>(connectors only)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corrosion resistance mated</td>
<td>Salt mist 1,000h</td>
<td>Salt mist 1,000h 1)</td>
<td>MIL-STD-810 Method 509.6</td>
</tr>
<tr>
<td>Connectors in mated condition.</td>
<td></td>
<td>Connectors in mated condition.</td>
<td></td>
</tr>
<tr>
<td>Mechanical endurance</td>
<td>5,000 mating cycles / 2,500 rotations 2)</td>
<td>10,000 mating cycles / 5,000 rotations 2)</td>
<td>IEC 60512-9-1</td>
</tr>
<tr>
<td>Unmating force</td>
<td>Typical 24N</td>
<td>Typical 40N</td>
<td>IEC 60512-13-1</td>
</tr>
<tr>
<td>Shock</td>
<td>30 G</td>
<td>30 G</td>
<td>MIL-STD-202 Method 213 Condition J</td>
</tr>
<tr>
<td>Max. current rating</td>
<td>2x 5A power and 2x 1A signal</td>
<td>3x 5A power and 4x 1A signal</td>
<td>IEC 60512-5-2-5b</td>
</tr>
<tr>
<td>Max. wire size</td>
<td>Up to 24AWG</td>
<td>Up to 24AWG</td>
<td>-</td>
</tr>
<tr>
<td>Data protocols</td>
<td>USB 2.0 and Ethernet</td>
<td>USB 2.0 and Ethernet</td>
<td>-</td>
</tr>
</tbody>
</table>

1) Exception: 48h for FLR50  
2) 180° rotation considered per mating within the mating cycle test

ACCESSORIES
- Soft caps  
- Straight bend relief

ACTIVE DEVICES
- LP360™ USB 2.0 adaptor  
- LP360™ LED  
- LP360™ Rugged Flash Drive

For more information visit  
fischerconnectors.com/lp360

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