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
BODY STYLES

PLUGS

CABLE MOUNTED

BODY STYLE  FLP01  FLP01

Locking system  Quick-release  Quick-release
Sealing  IP67  IP68
Size  8  14
Contact  4  7
Housing material  Plastic  Metal

PANEL FRONT MOUNTED

BODY STYLE  FLP03  FLP03

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

PANEL REAR MOUNTED

BODY STYLE  FLR01  FLR01

Sealing  IP68 / IP67  IP68
Size  08  14
Contact  4  7
Housing material  Plastic / Metal  Metal

PLUG FLP01

SIZE 08 – PLASTIC  SIZE 14 – METAL

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

RECEPTACLES

CABLE MOUNTED

BODY STYLE  FLR50  FLR50

Sealing  IP68  IP68
Size  08  14
Contact  4  7
Housing material  Metal  Metal

PANEL REAR MOUNTED

BODY STYLE  FLR01  FLR01

Sealing  IP67 / IP68  IP68
Size  08  14
Contact  4  7
Housing material  Plastic / Metal  Metal

RECEPTACLE FLR01

SIZE 08 – PLASTIC  SIZE 08 / 14 – METAL

Note: Cable & bend relief available in black or tan 499.

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>ØB</th>
<th>C</th>
<th>ØD</th>
<th>E</th>
<th>Panel Max</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>Weight (without cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 Plastic</td>
<td>13.3</td>
<td>4.8</td>
<td>16.2</td>
<td>20.4</td>
<td>59.7</td>
<td>3.0</td>
<td>23.8</td>
<td>2.2</td>
<td>18.9</td>
<td>2.5</td>
<td>2.0</td>
<td>15.8g</td>
</tr>
<tr>
<td>14 Metal</td>
<td>13.0</td>
<td>5.4</td>
<td>15.6</td>
<td>25.4</td>
<td>67.4</td>
<td>3.0</td>
<td>23.4</td>
<td>1.4</td>
<td>18.5</td>
<td>2.5</td>
<td>1.5</td>
<td>44.5g</td>
</tr>
</tbody>
</table>

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

<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>M14 x 0.5</td>
<td>2.0</td>
<td>10.3</td>
<td>15-2.0</td>
<td>3.3g</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>M14 x 0.5</td>
<td>2.0</td>
<td>10.3</td>
<td>2.0-4.0</td>
<td>7.5g</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>M19 x 0.5</td>
<td>2.5</td>
<td>12.8</td>
<td>2.0-4.0</td>
<td>15.2g</td>
</tr>
</tbody>
</table>
PLUG FLP03

SIZE 08 – METAL
SIZE 14 – METAL

<table>
<thead>
<tr>
<th>Size</th>
<th>Contacts</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>
<th>Flex Print</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 Metal</td>
<td>4</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>M20x0.5</td>
<td>25.0</td>
<td>17.6</td>
<td>20.5 g</td>
<td>Solder / ZIF</td>
</tr>
<tr>
<td>14 Metal</td>
<td>7</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>M25x0.5</td>
<td>30.0</td>
<td>22.6</td>
<td>32.6 g</td>
<td>Solder / ZIF</td>
</tr>
</tbody>
</table>

RECEPTACLE FLR50

SIZE 08 – METAL
SIZE 14 – METAL

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>ØB</th>
<th>C</th>
<th>ØD</th>
<th>E</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 Metal</td>
<td>18.9</td>
<td>4.8</td>
<td>175</td>
<td>26.9</td>
<td>56.9</td>
<td>18.0 g</td>
</tr>
<tr>
<td>14 Metal</td>
<td>18.9</td>
<td>5.5</td>
<td>175</td>
<td>26.9</td>
<td>56.9</td>
<td>25.0 g</td>
</tr>
</tbody>
</table>

Note: Cable & bend relief available in black or tan 499.

QUICK DETACH SYSTEM

Kit includes:

- Sewing junction
- Adapter size 08 & 14
- Retaining ring

<table>
<thead>
<tr>
<th>Part</th>
<th>Size</th>
<th>Part number</th>
<th>Material</th>
</tr>
</thead>
</table>
| ①   | 08/14| 224451      | Central area: PPA  
Soft edge for sewing: TPE |
| ②   | 08   | 224464      | PPA       |
| ③   | 14   | 224452      | PPA       |
| ①   | 08/14| 310623      | Base material: stainless steel  
Surface finish: black zinc |
**TECHNICAL DATA**

**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 – PEEK Black
4 Tracks – Cu Alloy

**ENVIRONMENTAL, MECHANICAL & ELECTRICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>Size 08 Plastic</th>
<th>Size 14 Metal</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sealing</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mated w/ cap</td>
<td>IP67, 0.2 m/30 min</td>
<td>IP68, 20 m/24 h</td>
<td>IEC 60529, MIL-STD-810 Method 512.6</td>
</tr>
<tr>
<td>Plug w/ o cap</td>
<td>IP67, 0.2 m/30 min</td>
<td>IP67, 0.2 m/30 min</td>
<td></td>
</tr>
<tr>
<td>Receptacle w/ o cap</td>
<td>IP67, 0.2 m/30 min</td>
<td>IP68, 20 m/24 h</td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></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><strong>Corrosion resistance mated</strong></td>
<td>Salt mist 1,000 h Connectors in mated condition</td>
<td>Salt mist 1,000 h Connectors in mated condition</td>
<td>MIL-STD-810 Method 509.6</td>
</tr>
<tr>
<td><strong>Mechanical endurance</strong></td>
<td>5,000 mating cycles/ 2,500 rotations</td>
<td>10,000 mating cycles/ 5,000 rotations</td>
<td>IEC 60512-9-1</td>
</tr>
<tr>
<td></td>
<td>2)</td>
<td>2)</td>
<td></td>
</tr>
<tr>
<td><strong>Unmating force</strong></td>
<td>Typical 24 N</td>
<td>Typical 40 N</td>
<td>IEC 60512-13-1</td>
</tr>
<tr>
<td><strong>Shock</strong></td>
<td>30 G</td>
<td>30 G</td>
<td>MIL-STD-202 Method 213 Condition J</td>
</tr>
<tr>
<td><strong>Max. current rating</strong></td>
<td>2x 5 A power and 2x 1 A signal</td>
<td>3x 5 A power and 4x 1 A signal</td>
<td>IEC 60512-5-2-5b</td>
</tr>
<tr>
<td><strong>Max. wire size</strong></td>
<td>Up to 24 AWG</td>
<td>Up to 24 AWG</td>
<td>-</td>
</tr>
<tr>
<td><strong>Data protocols</strong></td>
<td>USB 2.0 and Ethernet</td>
<td>USB 2.0 and Ethernet</td>
<td>-</td>
</tr>
</tbody>
</table>

1) Exception: 48 h 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 adapter
- LP360™ LED
- LP360™ Rugged Flash Drive

For more information visit fischercconnectors.com/lp360

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