Mini Series Buccaneer

Located between the Standard and 400 Series in both performance and form factor, the Mini Buccaneer provides reliable power up to 250V, 10A. With secure, screw thread locking and rated to IP68, the Mini Buccaneer has proved that it can perform in demanding Marine and Industrial applications.

- Water and Dustproof to IP68 When Mated
- Screw Terminal Inserts Available Separately in 2, 3, 4, 6 Pole, Pin or Socket
- BNC Plug or Socket Insert Available Separately in 50 Ohm, 75 Ohm Versions for all Connector Body Styles Except PX0803
- PX0800, PX0801 Flex and Flex In-Line Cable Connector Bodies have a choice of Cable Acceptance 3.5mm-9mm Diameter depending on Part Code (see Data for Details)
- Part Codes Prefixed PX0802, PX0803, PX0804, PX0805 - Panel Mount Connectors (Mate with PX08 Mini Series)
- Choose Type of Contacts from Screw Terminal, Solder / Crimp Contacts, BNC
- Choose Type of Connector Body:
  - Part Codes Prefixed PX0800 - Flex Cable Connectors (Mate with PX0801 Flex In-Line)
  - PX08 Mini Series Panel Mount Connectors, Optionally choose Cable Acceptance Part Codes Prefixed PX0801 - Flex In-Line Cable Connectors (mate with PX0800 Flex Cable Connectors), Optionally Choose Cable Acceptance
Circular Power Connectors

Mini Series Buccaneer

**Flex Cable Connector**
- PX0800 Connector Body Mates with Flex In-line or Panel Mounting Versions
- Screw Locking Ring
- Suitable for Pin or Socket Inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)

**Inline Flex Cable Connector**
- PX0801 Connector Body
- Mates with PX0800 - Flex Cable Connector
- Suitable for Pin or Socket Inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)

**Panel Mounting**
- PX0802 Connector Body
- Mates with PX0800 - Flex Cable Connector
- Single Hole Fixing
- Suitable for Pin or Socket Inserts
- Contact Inserts Supplied Separately

**Panel Mounting**
- Mates with PX0800 - Flex Cable Connector
- Right Angle Cable Entry
- Single Hole Fixing
- Suitable for Pin or Socket Inserts
- Contact Inserts Supplied Separately

**Panel Mounting**
- Mates with PX0800 - Flex Cable Connector
- PX0804 without Sealing Cap Retaining Clip, PX0805 with Sealing Cap Retaining Clip
- Single Hole Fixing
- Suitable for Pin or Socket Inserts

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PX0800 (shown with insert)

PX0801 (shown with insert)

PX0802 (shown with insert)

PX0803 (shown with insert)

PX0805 (shown with insert)
Circular Power Connectors

Mini Series Buccaneer

Screw Terminal Inserts

- 2, 3, 4 & 6 Poles
- Fits all Body Styles
- Leading Earth Pin on 3, 4 & 6 Pole Inserts
- Nickel Plated Contacts

Screw Terminal Inserts - Fits All Body Styles

<table>
<thead>
<tr>
<th>Sockets:</th>
<th>Poles:</th>
<th>Pins:</th>
<th>Poles:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA3319</td>
<td>2</td>
<td>SA320</td>
<td>2</td>
</tr>
<tr>
<td>SA3229</td>
<td>3</td>
<td>SA3230</td>
<td>3</td>
</tr>
<tr>
<td>SA3242</td>
<td>4</td>
<td>SA3241</td>
<td>4</td>
</tr>
<tr>
<td>SA3244</td>
<td>6</td>
<td>SA3243</td>
<td>6</td>
</tr>
</tbody>
</table>

Contact Carrier Inserts

- For Solder or Crimp Contacts
- 3 or 8 Pin
- Fits all Body Styles
- Contacts Supplied Separately

Contact Carrier Inserts - Fits All Body Styles

<table>
<thead>
<tr>
<th>Sockets:</th>
<th>Poles:</th>
<th>Colour:</th>
<th>Crimp:</th>
<th>Colour:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12734/3/1</td>
<td>3 Pin</td>
<td>Black</td>
<td>12734</td>
<td>Grey</td>
</tr>
<tr>
<td>12734/1</td>
<td>8 Pin</td>
<td>Black</td>
<td>12735</td>
<td>Grey</td>
</tr>
<tr>
<td>12735/3/1</td>
<td>3 Socket</td>
<td>Black</td>
<td>12734/3</td>
<td>Grey</td>
</tr>
<tr>
<td>12735/1</td>
<td>8 Socket</td>
<td>Black</td>
<td>12735/3</td>
<td>Grey</td>
</tr>
</tbody>
</table>
Contacts, Polarising / Blanking Pins

- Gold Plated Contacts
- Solder or Crimp
- Polarising / Blanking Pins

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crimp:</td>
<td>Solder:</td>
</tr>
<tr>
<td>SA3148</td>
<td>SA3148/1</td>
</tr>
<tr>
<td>SA3149</td>
<td>SA3148/1</td>
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<tr>
<td></td>
<td>SA3147</td>
</tr>
<tr>
<td></td>
<td>SA3150</td>
</tr>
<tr>
<td></td>
<td>SA2800</td>
</tr>
</tbody>
</table>

Sealing Caps

To Maintain IP Rating

PX0810:
Fits PX0801, PX0802, PX0803, PX0804 & PX0805. Ensure “O” Ring is in Place on Main Body.

PX0811:
Fits PX0800. Ensure “O” Ring is in Place in Cap.
## Mini Series Buccaneer

### Circular Power Connectors

#### / Specifications / Accessories

### Technical Overview Data

#### Electrical:

<table>
<thead>
<tr>
<th>Solder / Crimp Terminals:</th>
<th>Screw Terminals:</th>
<th>BNC:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3, 8</td>
<td>2, 3</td>
<td>5A</td>
</tr>
<tr>
<td>5A</td>
<td>4</td>
<td>3A</td>
</tr>
<tr>
<td>380V ac</td>
<td>10A</td>
<td>6A</td>
</tr>
<tr>
<td>&lt;5mΩ</td>
<td>250V ac</td>
<td>3A</td>
</tr>
<tr>
<td>&gt;10^9ΩΩ @ 500V d.c.</td>
<td>24V @ 50Hz</td>
<td>250V ac</td>
</tr>
<tr>
<td>-20°C to +70°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Approvals

E214972

#### Materials:

- **Solder / Crimp Terminals:**
  - Polyamide UL94V-0
  - Polyamide UL94V-0
  - Copper Alloy, Gold Plated (0.1μm) on Nickel Nitrile

- **Screw Terminals:**
  - Polyamide UL94V-0
  - Polyamide UL94V-0
  - Brass, Nickel Plated

- **BNC:**
  - Brass, Silver Plated.

#### Mechanical:

- **Solder / Crimp Terminals:**
  - Protection Classification IP68, EN 60529:
    - 1992+A2:2013 Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m Depth for 2 Weeks.
    - EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

- **Screw Terminals:**
  - 1mm² Max (18 AWG)

- **BNC:**
  - 50Ω: RG58/CU, URM43, URM76
  - 75Ω: URM70

#### Sealing:

- **Protection Classification IP68, EN 60529:**
  - 1992+A2:2013 Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m Depth for 2 Weeks.

#### Salt Mist:

- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

#### Cable Acceptance:

- 5-7.00mm Dia - Standard Gland
- 3.5-9.00mm Dia - Alternative Glands

#### Contact Accommodation:

- 3 Way: 5N (1.1lbf)
- 8 Way: 14N (3.1lbf)

#### Insertion Force (Typical):

- 3 Way: 3N (0.66lbf)
- 8 Way: 12N (2.8lbf)

#### Withdrawal Force (Typical):

- 3 Way: 3N (0.66lbf)
- 8 Way: 12N (2.8lbf)

#### Tightening Torques:

- **Gland Nut, PX0800, 801:**
  - 1.13Nm (10lbf in)

- **Rear Nut, PX0802, 803, 804, 805:**
  - 0.7Nm min, 1.7Nm Max (6.2lbf in Min, 15lbf in Max)

- **Sealing Cap, PX0810, 811:**
  - 0.23Nm min, 1.13Nm Max (2lbf in Min, 10lbf in Max)

### How To Order:

- Choose Body Type, check Cable Diameter and Sealing Gland Size.
- Determine Contact Carrier Inserts. Choose Number of Poles, and type of Contacts (Solder, Crimp, Screw Terminal or BNC).
- Choose Pins or Sockets. Solder and Crimp Contacts are Supplied Separately in Packs of 10.
- Is an Insertion Tool required (for Solder or Crimp Contacts)?
- Is a Crimp Tool required?
- Is a Sealing Cap required?

### Cable Glands:

- **Cable Gland for 5-7mm Fitted as Standard. BNC Insert Kit includes Gland & Washer to Fit Coax Cable.**

<table>
<thead>
<tr>
<th>Cable Diameter:</th>
<th>Gland Part No.</th>
<th>Gland Colour</th>
<th>Additional Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-7mm</td>
<td>12023/1</td>
<td>White</td>
<td>Fitted as Standard</td>
</tr>
<tr>
<td>3.5-5mm</td>
<td>SA3426</td>
<td>Grey</td>
<td>Suffix /04†</td>
</tr>
<tr>
<td>6-8mm</td>
<td>12023</td>
<td>Black</td>
<td>Suffix /06†</td>
</tr>
<tr>
<td>7-9mm</td>
<td>12023/2</td>
<td>Yellow</td>
<td>Suffix /07†</td>
</tr>
<tr>
<td></td>
<td>PX0812</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To Order Body with Alternative Cable Gland add Suffix to Part No. E.g. PX0800/06 = PX0800 Body with Cable Gland to Suit 6-8mm Dia. Cable. 1Includes Additional Black Gland Cage for 3.5-5mm Dia. Cable Range.