Sealed to IP68 when mated
IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
2 and 3 pole - 8A, 250V rating
4, 6 and 8 pole - 5A, 125V rating
10 and 12 pole - 1A, 50V rating
2.5mm contact engagement for electrical integrity ‘Scoop proof’ contacts
Contact inserts are part of body moulding
Cable range from 3 to 7mm
Overall length (flex + flex in-line) 80mm
Gold plated contacts
Diameter over coupling ring 19.1mm
Pre-wired, overmoulded cable assemblies

Flex, Flex In-Line, Front Panel, Rear Panel and PCB mounting body styles
Plug and Socket versions in all body styles
Flame Retardant moulding material - Polyamide UL94-V0
Contacts supplied separately (except PCB versions)
Sealing caps available to maintain IP68 rating
Secure sealing system
Crimp and solder contacts
PCB mounting connector supplied with contacts pre-loaded
Front and rear panel mounting panel connectors
CCC, UL, CSA and VDE approvals
EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
### Flex Cable Connector
- Mates with Flex In-line or Panel mounting versions PX0401, PX0411, PX0412 & PX0413
- Pin or socket
- 2, 3, 4, 6, 8, 10 or 12 pole
- Screw locking ring
- Contacts supplied separately

**PX0410**

### Inline Flex Cable Connector
- Mates with Flex Cable connectors PX0400, PX0402 & PX0410
- Pin or socket
- 2, 3, 4, 6, 8, 10 or 12 pole
- For in-line cable connection
- Contacts supplied separately

**PX0411**

### Pre Wired Flex Cable Connector
- Overmoulded Flex connector for pre-wired cable assemblies
- Pin or socket
- Cable range 2.5 -9.0mm o/d
- 2, 3, 4, 6, 8, 10 or 12 pole
- Mates with PX0401 & PX0411 Flex In-Line connectors and PX0412 & PX0413 panel mounting connectors

**PX0400**

### Pre Wired Flex Cable Connector
- Right-angled overmoulded
- Flex connector for pre-wired cable assemblies
- Pin or socket
- Cable range 2.5 -9.0mm o/d
- 2, 3, 4, 6, 8, 10 or 12 pole
- Mates with PX0401 & PX0411 Flex In-Line connectors and PX0412 & PX0413 panel mounting connectors

**PX0402**

### Pre Wired Inline Flex Connector
- Overmoulded Flex connector for pre-wired cable assemblies
- Pin or socket
- Cable range 2.5 -9.0mm o/d
- 2, 3, 4, 6, 8, 10 or 12 pole
- Mates with PX0400, PX0402 & PX0410 Flex connectors

**PX0401**
Front Panel Mounting Connector
- Mates with Flex Cable connectors PX0410, PX0400 & PX0402
- Front Panel mounting
- Single hole fixing
- Contacts supplied separately
- 2, 3, 4, 6, 8, 10 or 12 pole

Rear Panel Mounting Connector
- Mates with Flex Cable connector PX0410, PX0400 & PX0402
- Rear Panel mounting
- Single hole fixing
- Contacts supplied separately
- 2, 3, 4, 6, 8, 10 or 12 pole

PCB Mounting Connector
- Mates with Flex Cable connector PX0410, PX0400 & PX0402
- PCB Rear Panel mounting
- Straight PC spills
- Supplied with pre-loaded gold plated contacts
- 2, 3, 4, 6, 8, 10 or 12 pole

Sealing Caps and Accessories
- Maintains IP68 Rating of Unmated Connectors
- PX0480: Fits PX0412 (panel mounting)
- PX0480/1: Fits PX0401 & PX0411 (flex in-line)
- PX0481: Fits PX0400, PX0402 & PX0410 (flex connector)
- PX0484: Fits PX0413 (PCB and rear panel mount)

Gland Packs
<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0482</td>
<td>Pack of 4 pairs cable glands and collets to suit cables from 3.0 to 5.0mm diameter.</td>
</tr>
<tr>
<td>PX0483</td>
<td>Pack of 4 pairs cable glands and collets to suit cables from 5.0 to 7.0mm diameter.</td>
</tr>
</tbody>
</table>
Buccaneer for Power
36

400 Series Buccaneer

Specifications

Crimp Contacts

<table>
<thead>
<tr>
<th>Pole</th>
<th>Current Rating</th>
<th>Pin</th>
<th>Socket</th>
<th>Pack Qty</th>
<th>Cable Acceptance (dia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, 3</td>
<td>8A</td>
<td>SA3350</td>
<td>SA3349</td>
<td>10</td>
<td>20 - 24 AWG</td>
</tr>
<tr>
<td>4, 6, 8</td>
<td>5A</td>
<td>SA3348</td>
<td>SA3347</td>
<td>10</td>
<td>22 - 26 AWG</td>
</tr>
<tr>
<td>10, 12</td>
<td>1A</td>
<td>SA3180</td>
<td>SA3179</td>
<td>10</td>
<td>24 - 28 AWG</td>
</tr>
</tbody>
</table>

Solder Contacts

<table>
<thead>
<tr>
<th>Pole</th>
<th>Current Rating</th>
<th>Pin</th>
<th>Socket</th>
<th>Pack Qty</th>
<th>Cable Acceptance (dia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, 3</td>
<td>8A</td>
<td>SA3350/1</td>
<td>SA3349/1</td>
<td>10</td>
<td>20 - 24 AWG</td>
</tr>
<tr>
<td>4, 6, 8</td>
<td>5A</td>
<td>SA3348/1</td>
<td>SA3347/1</td>
<td>10</td>
<td>22 - 26 AWG</td>
</tr>
<tr>
<td>10, 12</td>
<td>1A</td>
<td>SA3180/1</td>
<td>SA3179/1</td>
<td>10</td>
<td>24 - 28 AWG</td>
</tr>
</tbody>
</table>

Insertion / Extraction

<table>
<thead>
<tr>
<th>Poles</th>
<th>Contact Rating</th>
<th>Colour</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion/Extraction Tool 2, 3</td>
<td>8A</td>
<td>Blue</td>
<td>13027/2</td>
</tr>
<tr>
<td>Insertion/Extraction Tool 4, 6, 8</td>
<td>5A</td>
<td>Red</td>
<td>13027/1</td>
</tr>
<tr>
<td>Insertion/Extraction Tool 10, 12</td>
<td>1A</td>
<td>Green</td>
<td>13027</td>
</tr>
</tbody>
</table>

Crimp tools

<table>
<thead>
<tr>
<th>Poles</th>
<th>Contact Rating</th>
<th>Colour</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positioner 2, 3</td>
<td>8A</td>
<td>Blue</td>
<td>14025/8AMP</td>
</tr>
<tr>
<td>Positioner 4, 6, 8</td>
<td>5A</td>
<td>Red</td>
<td>14025/5AMP</td>
</tr>
<tr>
<td>Positioner 10, 12</td>
<td>1A</td>
<td>Green</td>
<td>14025/1AMP</td>
</tr>
<tr>
<td>8 Indent Crimp Tool for use with positioners</td>
<td></td>
<td></td>
<td>14025</td>
</tr>
</tbody>
</table>

PX0413 PCB Contact Layout

Sockets
Contact numbers viewed from rear of panel

Plugs
Contact numbers viewed from rear of panel

2 pole (8 Amp)
3 pole (8 Amp)
4 pole (5 Amp)
6 pole (5 Amp)
8 pole (5 Amp)
10 pole (1 Amp)
12 pole (1 Amp)
**400 Series Buccaneer**

**Electrical:**

<table>
<thead>
<tr>
<th>No. Poles:</th>
<th>2, 3</th>
<th>4, 6, 8</th>
<th>10, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating:</td>
<td>8A</td>
<td>5A</td>
<td>1A</td>
</tr>
<tr>
<td>Voltage Rating (ac/dc):</td>
<td>250Vac/dc</td>
<td>125Vac/dc</td>
<td>50Vac/dc</td>
</tr>
<tr>
<td>Contact Resistance:</td>
<td>&lt;5mΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insulation Resistance:</td>
<td>&gt;10^6 MΩ (@ 500V d.c.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC Breakdown voltage:</td>
<td>2.5kV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operating Temperature:**

- Flex and panel types: -40°C to +80°C
- Overmoulded: -20°C to +60°C

**Approvals:**

- UL: E214972
- CSA: 1273303
- VDE: 40002226
- CCC: 20110102023500398 – 1 Amp Rated
  20110102023500399 – 5 Amp Rated
  20110102023500400 – 8 Amp Rated

**Sealing:**

- IP68, EN60529:1992+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:**

- 3.0 - 7.0mm

**Contact Accommodation:**

- 2, 3 pole, 20 - 24 AWG
- 4, 6, 8 pole, 22 - 26 AWG
- 10, 12 pole, 24 - 28 AWG

**Termination:**

- Crimp, solder and PCB

**Insertion/Withdrawal Force:**

- No. poles: 2, 3, 4, 6, 8, 10, 12

**Tightening Torques:**

- Panel mount (PX0412): 1.0-1.1Nm (9lbf.in.)
- Panel mount (PX0413): 1.0-1.1Nm (9lbf.in.)
- Front fixing nut: 60N
- Rear fixing nut: 80N

**Cable Retention force:**

- Panel thread PX0412: M16x1.5
- Panel thread PX0413: 18.97x26TPI Whitworth form to BS84 med fit

**Dimensions:**

- Overall dimensions of connectors when mated together
  - Flex + Flex In-Line: 80mm
  - Dia. over coupling ring: 19.1mm

**Material:**

- Flex and panel types:
  - Polyamide
  - Polyurethane
- Body Mouldings:
  - UL94V-0
  - UL94V-HB
- Flammability Rating:
  - To EN 50021:1999
  - To EN 50021:2013
- UV Resistance:
- Overmoulded types:
  - Polyurethane
- Body Mouldings:
  - To EN 50021:1999
- Flammability Rating:
  - To EN 50021:2013
- Contacts:
  - Copper alloy, Gold plated
- O Rings:
  - Nitrile
- Panel Sealing O Ring:
  - Nitrile
- Compliant

**Mechanical:**

- Sealing:
  - IP68, EN60529:1992+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:
  - 3.0 - 7.0mm
- Contact Accommodation:
  - 2, 3 pole, 20 - 24 AWG
  - 4, 6, 8 pole, 22 - 26 AWG
  - 10, 12 pole, 24 - 28 AWG
- Termination:
  - Crimp, solder and PCB
- Insertion/Withdrawal Force:
  - No. poles: 2, 3, 4, 6, 8, 10, 12
- Tightening Torques:
  - Panel mount (PX0412): 1.0-1.1Nm (9lbf.in.)
  - Panel mount (PX0413): 1.0-1.1Nm (9lbf.in.)
  - Front fixing nut: 60N
  - Rear fixing nut: 80N
- Cable Retention force:
  - Panel thread PX0412: M16x1.5
  - Panel thread PX0413: 18.97x26TPI Whitworth form to BS84 med fit

**Dimensions:**

- Overall dimensions of connectors when mated together
  - Flex + Flex In-Line: 80mm
  - Dia. over coupling ring: 19.1mm
## Specifications

### BUCCANEER FOR POWER

#### 400 Series Buccaneer

### Body Styles

- **PX0410**: Flex body
- **PX0411**: Flex in-line body
- **PX0412**: Front panel mounting body
- **PX0413**: Rear panel/PCB mounting body

### Number Contacts

- **02**: 2 pole
- **03**: 3 pole
- **04**: 4 pole
- **06**: 6 pole
- **08**: 8 pole
- **10**: 10 pole
- **12**: 12 pole

### Contact Type

- **P**: Pin
- **S**: Socket

For PX0410 and PX0411 cable connectors

- **Cable Entry Size**:
  - **3035**: 3.0 - 3.5mm (Light Grey)
  - **3540**: 3.5 - 4.0mm (Grey)
  - **4045**: 4.0 - 4.5mm (Green)
  - **4550**: 4.5 - 5.0mm (Red)
  - **5055**: 5.0 - 5.5mm (Yellow)
  - **5560**: 5.5 - 6.0mm (Blue)
  - **6065**: 6.0 - 6.5mm (White)
  - **6570**: 6.5 - 7.0mm (Black)

Cable gland and collet supplied in colour coded pairs.

For PX0413 PCB/Rear Panel Mount:

- **PC**: Pre-loaded PC pins
- **Blank**: no pins supplied

For PX0412 Front Panel Mount:

- Suffix not required - leave blank

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### Examples:

- **PX0410/10S/4045**: Flex cable connector, 10 socket contacts with gland and collet for cables between 4.0 and 4.5mm diameter (supplied less contacts).
- **PX0412/08P**: Front panel mounting connector, 8 pin contacts (supplied less contacts).
- **PX0413/06P**: Rear panel mounting connector, for 6 pin contacts (supplied less contacts).
- **PX0413/04P/PC**: Rear panel/PCB connector, 4 pin contacts, PCB mounting (supplied with contacts loaded).