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

![Image of PX0410](image)

### 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

![Image of PX0411](image)

### 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

![Image of PX0400](image)

### Pre Wired Flex 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

![Image of PX0402](image)

### 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

![Image of PX0401](image)
BUCCANEER FOR POWER
400 Series Buccaneer

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>
## 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
**Electrical:**

- **No. Poles:** 2, 3, 4, 6, 8, 10, 12
- **Current Rating:** 8A, 5A, 1A
- **Voltage Rating (ac/dc):** 250Vac/dc, 125Vac/dc, 50Vac/dc
- **Contact Resistance:** <5mΩ
- **Insulation Resistance:** >10⁶MΩ (@ 500V d.c.)
- **AC Breakdown Voltage:** 2.5kV
- **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: 2011010203500398 – 1 Amp Rated
    2011010203500399 – 5 Amp Rated
    2011010203500400 – 8 Amp Rated
- **Overmoulded cable assemblies:**
  - Approvals to customer requirements.

**Material:**

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

**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: 19N, 25N, 27N
    - 4, 6, 8: 27N, 28N
    - 10, 12: 55N, 62N
- **Tightening Torques:**
  - Front fixing nut: 1.0-1.1Nm (9lbf.in.)
  - Rear fixing nut: 1.0-1.1Nm (9lbf.in.)
  - Panel mount (PX0412):
    - Rear panel thread PX0412: M16x1.5
  - Panel mount (PX0413):
    - Cable Retention force: 3.0mm dia 60N
    - 4.0 to 7.0mm dia 80N
  - 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
<table>
<thead>
<tr>
<th>PX04 xx</th>
<th>XX</th>
<th>X</th>
<th>XXXX</th>
</tr>
</thead>
</table>

**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

**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).