



The **Mini Buccaneer** range is a series of miniature connectors, ideal for tight spaces. The series offers a modular design, allowing assembly with various casings, inserts, and contacts. Engineered to withstand hard environments, providing excellent resistance to dust and moisture (IP ratings) when mated. The Mini Buccaneer's compact design makes it suitable for industries such as telecommunications, medical devices, and industrial automation. These connectors deliver reliable power up to 250V at 10A and feature a secure screw thread locking mechanism. They are easy to assemble without the need for special tooling. The Mini Buccaneer has a flammability rating of UL94V-0 and positive locating keyway to prevent mis-mating. They are constructed from tough UL94 V-0 materials.

#### Features and Benefits:

- 1) Waterproof and Dustproof (IP68) when mated:** Ensures reliable connections in harsh environments by protecting against water and dust ingress, tested at 10m depth for 2 weeks.
- 2) Versatile Contact Options:** Offers 2, 3, 4, or 6-contact screw terminal inserts and 3 or 8-contact solder/crimp inserts, catering to various power and signal requirements. Also has BNC options.
- 3) Multiple Body Styles:** Available in flex, inline, panel (two styles), and panel side entry options, providing flexibility in mounting and cable routing.
- 4) Wide Range of Cable Acceptance:** Accommodates cables ranging from 3.5mm to 9mm in diameter, providing compatibility with different cable sizes.
- 5) Positive Locating Keyways:** Prevents mis-mating, ensuring correct and reliable connections.
- 6) Sealing Caps:** Maintain the IP68 rating when connectors are unmated, protecting against environmental factors.
- 7) Leading Earth Plug:** Enhances safety with a leading earth contact on 3, 4, and 6-contact screw terminal versions, providing grounding before power connection.
- 8) Compact Design:** Offers a small form factor (26mm diameter over coupling ring) suitable for applications with limited space.
- 9) Easy Assembly:** Screw terminal versions require no special tools, simplifying installation.
- 10) Durable Materials and Approvals:** Constructed with UL94V-0 rated materials for flammability resistance and carries UL approval, ensuring safety and reliability. Also offers salt mist resistance.

## // Mini Buccaneer Range:

### Parts of the Mini Buccaneer Range:

#### Connector Casings: (\*supplied without contacts & inserts)

- Flex Cable Connector Casing (PX0800)
- Inline Cable Connector Casing (PX0801)
- Rear Panel Mounting Casing (PX0802)
- Panel Mounting Right Angle Casing (PX0803)
- Rear Panel Mounting Casing (PX0804 and PX0805 - with/without sealing cap retaining clip)

#### Contact Separate Inserts:

- Screw Terminal Separate Inserts (2, 3, 4, or 6 Contacts) - Plugs and Sockets
- Solder or Crimp Contact Carrier Separate Inserts (3 or 8 Contacts) - Plugs and Sockets
- BNC Inserts (50Ω or 75Ω)

#### Contacts:

- Solder Contacts
- Crimp Contacts

#### Accessories:

- Sealing Caps (PX0810 for panel mount, PX0811 for flex/inline)
- Cable Glands (for various cable diameters: 3.5-5mm, 5-7mm, 6-8mm, 7-9mm)
- Polarizing/Blanking Plugs (for solder/crimp contact inserts)
- Contact Insertion Tool (for solder/crimp contacts)
- Crimping Tool (for crimp contacts)



PX0800



PX0801



PX0802



PX0803



PX0804  
PX0805

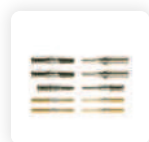
\*Casings are  
sold without  
inserts



Screw Terminal  
Inserts



Contact Carrier  
Inserts



Contacts



Sealing Caps

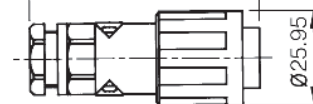
#### Flex Cable Connector Casing



PX0800 - shown with insert

- PX0800 Connector body
- Mates with Inline or Panel Mounting versions
- Screw locking ring
- Suitable for Plug or Socket inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)
- Contact inserts supplied separately

61.5 Max. Depending on Cable Dia. / Pin or Socket Carrier.



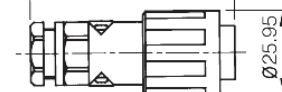
#### Inline Cable Connector Casing



PX0801 - shown with insert

- PX0801 Connector body
- Mates with PX0800 - Flex Cable connector
- Suitable for Plug or Socket inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)
- Contact inserts supplied separately

61.5 Max. Depending on Cable Dia. / Pin or Socket Carrier.



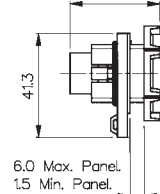
#### Rear Panel Mounting Casing



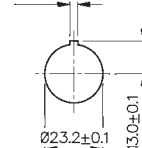
PX0802 - shown with insert

- PX0802 Connector body
- Mates with PX0800 - Flex Cable connector
- Single hole fixing
- Suitable for Plug or Socket inserts
- Contact inserts supplied separately

37.0 Max. Depending on Pin or Socket Carrier.



3.2 ±0.1



Fixing Details.

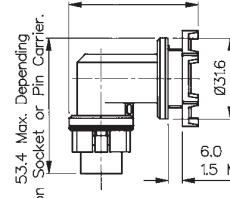
#### Panel Mounting Right Angle Casing



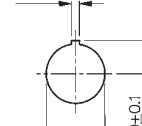
PX0803 - shown with insert

- PX0803 Connector body
- Mates with PX0800 - Flex Cable connector
- Right angle cable entry
- Single hole fixing
- Suitable for Plug or Socket inserts
- Contact inserts supplied separately

53.4 Max. Depending on Panel Thickness.



3.2 ±0.1



Fixing Details.

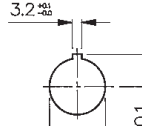
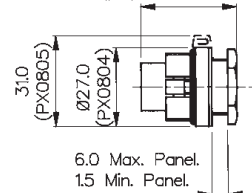
#### Rear Panel Mounting Casing



PX0805 - shown with insert

- PX0804 and PX0805 Connector bodies
- Mates with PX0800 - Flex Cable connector
- PX0804 without sealing cap retaining clip, PX0805 with sealing cap retaining clip
- Single hole fixing
- Suitable for Plug or Socket inserts
- Contact inserts supplied separately

32.8 Max. Depending on Pin or Socket Carrier.



Fixing Details.

Screw Terminal Inserts



- 2, 3, 4 and 6 Contacts
- Fits all Body Styles
- Leading Earth Plug on 3, 4 and 6 Contact inserts
- Nickel Plated contacts

Screw Terminal Inserts - fits all body styles

| No. Contacts | Sockets | Plugs  |
|--------------|---------|--------|
| 2            | SA3319  | SA3320 |
| 3            | SA3229  | SA3230 |
| 4            | SA3242  | SA3241 |
| 6            | SA3244  | SA3243 |

Contact Carrier Inserts



Inserts shown with contacts fitted

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

Solder & Crimp Contact Carrier Inserts - fit all body styles.

| No. Contacts | Solder    | Colour | Crimp   | Colour |
|--------------|-----------|--------|---------|--------|
| 3 Plug       | 12734/3/1 | Black  | 12734/3 | Grey   |
| 3 Socket     | 12735/3/1 | Black  | 12735/3 | Grey   |
| 8 Plug       | 12734/1   | Black  | 12734   | Grey   |
| 8 Socket     | 12735/1   | Black  | 12735   | Grey   |

Contacts, Polarising/Blanking Plugs



- Gold Plated contacts
- Solder or Crimp
- Polarising/Blanking Plugs

Contacts - Solder & Crimp - for contact carrier inserts

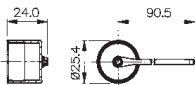
| Contacts (Supplied in packs of 10)                                     | Solder | Crimp           |
|------------------------------------------------------------------------|--------|-----------------|
| Plugs                                                                  |        | SA3148/1 SA3148 |
| Sockets                                                                |        | SA3149/1 SA3149 |
| Polarising/Blanking Plugs                                              |        | SA3147          |
| Contact Insertion Tool:<br>Must be used to load contacts into inserts. |        | SA3150          |
| Crimping Tool                                                          |        | SA2800          |

Sealing Caps



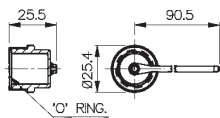
To maintain IP rating

PX0810



PX0810  
Fits PX0801, PX0802, PX0803, PX0804 & PX0805. Ensure "O" Ring is in place on main body.

PX0811



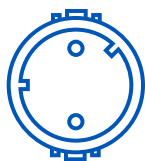
PX0811  
Fits PX0800. Ensure "O" Ring is in place in cap.

| Electrical                                                                               | Solder/Crimp Terminals        | Screw Terminals | BNC     |
|------------------------------------------------------------------------------------------|-------------------------------|-----------------|---------|
| No Contacts:                                                                             | 3, 8                          | 2, 3            | 6       |
| Current Rating:                                                                          | 5A                            | 10A             | 3A      |
| Voltage Rating:                                                                          | 380V AC                       | 250V AC         | 250V AC |
| Contact Resistance:                                                                      | <5mΩ                          |                 |         |
| Insulation Resistance:                                                                   | >10 <sup>9</sup> MΩ @ 500V DC |                 |         |
| Voltage Proof:                                                                           | 2kV @ 50Hz                    |                 |         |
| Operating Temp. Range:                                                                   | -20°C to +70°C                |                 |         |
| Approvals:                                                                               |                               |                 |         |
|  E214972 |                               |                 |         |

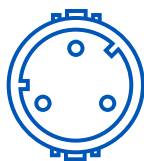
| Materials       | Solder/Crimp Terminals                      | Screw Terminals      | BNC                   |
|-----------------|---------------------------------------------|----------------------|-----------------------|
| Body Mouldings: | Polyamide UL94V-0                           | Polyamide UL94V-0    |                       |
| Inserts:        | Polyamide UL94V-0                           | Polyamide UL94V-0    |                       |
| Contacts:       | Copper Alloy, Gold Plated (0.1µm) on Nickel | Brass, Nickel Plated | Brass, Silver Plated. |
| O Rings:        | Nitrile                                     |                      |                       |
| <b>RoHS</b>     | Compliant                                   | Compliant            | Compliant             |

| Mechanical                       | Solder/Crimp Terminals                                                                                             | Screw Terminals                                                 | BNC                                         |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------|
| 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<br>3.5-9.00mm dia - alternative glands                                               |                                                                 |                                             |
| Contact Accommodation:           | 0.2 - 0.5mm <sup>2</sup> (20 - 24 AWG)                                                                             | 1mm <sup>2</sup> max (18 AWG)                                   | 50Ω: RG58/CU,<br>URM43, URM76<br>75Ω: URM70 |
| Insertion Force (typical):       | 3 way: 5N (1.1lbf)<br>8 way: 14N (3.1lbf)                                                                          | 3 way: 45N (10lbf)<br>4 way: 50N (11lbf)<br>6 way: 140N (31lbf) |                                             |
| Withdrawal Force (typical):      | 3 way: 3N (0.66lbf)<br>8 way: 12N (2.6lbf)                                                                         | 3 way: 32N (7lbf)<br>4 way: 40N (9lbf)<br>6 way: 150N (34lbf)   |                                             |
| 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)                                                                 |                                                                 |                                             |

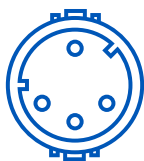
| How to order                                                                                                                                                | Cable Glands                                                                                                                                                                                                     |                |                                                            |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------|--------------------|
| <div><div></div><div>Choose body type, check cable diameter and sealing gland size.</div></div>                                                             | Cable gland for 5-7mm fitted as standard.<br>BNC Insert Kit includes gland & washer to fit coax cable.                                                                                                           |                |                                                            |                    |
| <div><div></div><div>Determine contact carrier inserts. Choose number of Contacts, and type of contacts (solder, crimp, screw terminal or BNC).</div></div> |                                                                                                                                                                                                                  |                |                                                            |                    |
| <div><div></div><div>Choose Plugs or sockets. Solder and crimp contacts are supplied separately in packs of ten.</div></div>                                | Cable Diameter                                                                                                                                                                                                   | Gland Part No. | Gland Colour                                               | Additional Suffix  |
| <div><div></div><div>Choose polarising/blanking Plugs. If required for solder/crimp contact inserts. Supplied in packs of ten.</div></div>                  | 5-7mm                                                                                                                                                                                                            | 12023/1        | White                                                      | Fitted as standard |
|                                                                                                                                                             | 3.5-5mm                                                                                                                                                                                                          | SA3426         | Grey                                                       | Suffix /04†        |
|                                                                                                                                                             | 6-8mm                                                                                                                                                                                                            | 12023          | Black                                                      | Suffix /06         |
|                                                                                                                                                             | 7-9mm                                                                                                                                                                                                            | 12023/2        | Yellow                                                     | Suffix /07         |
| <div><div></div><div>Is an insertion tool required (for solder or crimp contacts)?</div></div>                                                              | Gland Pack                                                                                                                                                                                                       | PX0812         | Pack of 3 glands to suit cables 3.5-5mm, 6-8mm, 7-9mm dia† |                    |
| <div><div></div><div>Is a crimp tool required?</div></div>                                                                                                  |                                                                                                                                                                                                                  |                |                                                            |                    |
| <div><div></div><div>Is a sealing cap required?</div></div>                                                                                                 | 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.<br>†Includes additional black gland cage for 3.5-5mm dia. cable range. |                |                                                            |                    |



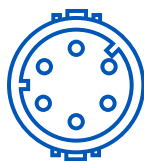
2 Contact  
(10 Amp)



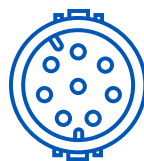
3 Contact  
(10 Amp)



4 Contact  
(6 Amp)



6 Contact  
(3 Amp)



8 Contact  
(5 Amp)