

## 4000 Series Buccaneer


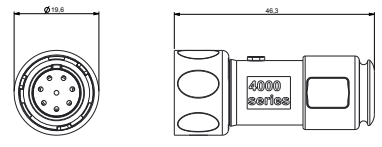

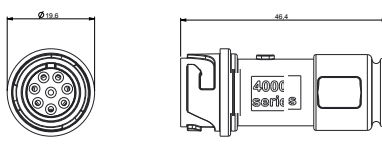

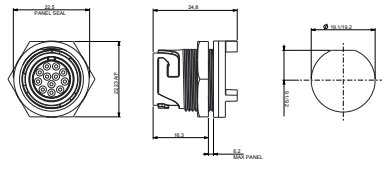

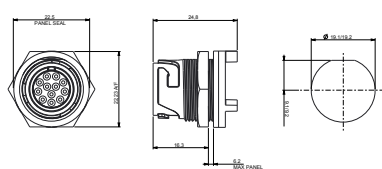
The 4000 Series Buccaneer is our most compact and versatile circular connector to date. With a robust Valox PC/PBT construction and quick-turn bayonet coupling mechanism, this miniature sealed connector series is perfect for applications across a wide variety of markets requiring fast, dustproof and watertight power connections.



- Flex Cable Connector
- Sealed to IP66, IP68, IP69K when Mated with Compatible Connector
- Pin or Socket
- 2, 3, 4, 6, 8, 10 or 12 Pole
- Crimp or Solder Contacts Available (supplied separately; use 13A/10A for 2, 3 Pole, 8A/5A for 4, 6, 8 Pole, 3A/3A for 10, 12 Pole)
- Contact Insertion & Crimp Tools available (supplied separately)
- Choice of Cable Acceptance 3mm-7mm depending on Part Code; supplied with Cable Gland & Collet Colour Coded by Size, Cable Glands & Collets also available separately
- PXP4081 Sealing Cap available separately to maintain IP Rating of Unmated Connectors
- Mate with In-Line Flex or Panel Mount Connectors PXP4011, PXP4013


# 4000 Series Buccaneer



<p><b>Flex Cable Connector</b></p>  <p>PXP4010</p>	<ul style="list-style-type: none"> <li>○ Mates with Flex In-line or Panel Mounting Versions</li> <li>○ PXP4011, PXP4013</li> <li>○ Pin or Socket</li> <li>○ 2, 3, 4, 6, 8, 10 &amp; 12 Pole</li> <li>○ ¼ Turn Locking Ring</li> </ul>	
<p><b>Inline Flex Cable Connector</b></p>  <p>PXP4011</p>	<ul style="list-style-type: none"> <li>○ Mates with Flex Cable connector PXP4010</li> <li>○ Pin or Socket</li> <li>○ 2, 3, 4, 6, 8, 10 &amp; 12 Pole</li> <li>○ For In-Line Cable Connection</li> <li>○ Contacts Supplied Separately</li> </ul>	
<p><b>Rear Panel Mounting Connector</b></p>  <p>PXP4013</p>	<ul style="list-style-type: none"> <li>○ Mates with Flex Cable Connector PXP4010, PXP4011</li> <li>○ Rear Panel Mounting</li> <li>○ Pin or Socket</li> <li>○ 2, 3, 4, 6, 8, 10 &amp; 12 Pole</li> <li>○ Single Hole Fixing</li> </ul>	
<p><b>PCB Mounting Connector</b></p>  <p>PXP4013/XXX/PC</p>	<ul style="list-style-type: none"> <li>○ Mates with Flex Cable Connector PXP4010, PXP4011</li> <li>○ Pin or Socket</li> <li>○ 2, 3, 4, 6, 8, 10 &amp; 12 Pole</li> <li>○ Straight PC Spills</li> <li>○ Pre-Loaded Gold Plated Contacts</li> </ul>	

# 4000 Series Buccaneer

**Sealing Caps**




PXP4081  
PXP4082, PXP4083

⬡ Maintains IP-Sealed Rating of Unmated Connectors

Part No.	Description
PXP4081	Sealing Cap for use with PXP4010 & PXP4040
PXP4082	Sealing Cap for use with PXP4011
PXP4083	Sealing Cap for use with PXP4013 & PXP4043


**Gland Packs**



⬡ Pack of 4 Pairs Cable Glands & Collets

Part No.	Description
PXP4088/0305	4 Pairs Cable Glands & Collets to suit Cables from 3.0 to 5.0mm Diameter
PXP4088/0507	4 Pairs Cable Glands & Collets to suit Cables from 5.0 to 7.0mm Diameter

**O-Ring & Washer Pack**



⬡ Coloured O-Rings & Washer Pack

Part No.	Description
PXP4089/WH	White Coloured O-Ring & Washer Pack
PXP4089/RD	Red Coloured O-Ring & Washer Pack
PXP4089/BL	Blue Coloured O-Ring & Washer Pack
PXP4089/YL	Yellow Coloured O-Ring & Washer Pack
PXP4089/GN	Green Coloured O-Ring & Washer Pack

# 4000 Series Buccaneer

## Technical Overview Data

### Crimp Contacts:

Pole:	Current Rating:	Pin:	Socket:	Pack Qty:	Cable Acceptance (Dia):
2, 3	13A /*10A	SA3350	SA3349	10	16 - 18 AWG
4, 6, 8	8A /*5A	SA3348	SA3347	10	18 - 20 AWG
10, 12	3A /*3A	SA3180	SA3179	10	22 - 24 AWG

### Solder Contacts:

Pole:	Current Rating:	Pin:	Socket:	Pack Qty:	Cable Acceptance (Dia):
2, 3	13A /*10A	SA3350/1	SA3349/1	10	16 - 18 AWG
4, 6, 8	8A /*5A	SA3348/1	SA3347/1	10	18 - 20 AWG
10, 12	3A /*3A	SA3180/1	SA3179/1	10	22 - 24 AWG

### Insertion / Extraction:

	Pole:	Current Rating:	Colour:	Part No:
Insertion / Extraction Tool	2, 3	13A/*10A	Blue	13027/2
Insertion / Extraction Tool	4, 6, 8	8A /*5A	Red	13027/1
Insertion / Extraction Tool	10, 12	3A /*3A	Green	13027

### Crimp Tools:

	Pole:	Current Rating:	Colour:	Part No:
Positioner	2, 3	13A/*10A	Orange	14025/1618
Positioner	4, 6, 8	8A /*5A	Grey	14025/1820
Positioner	10, 12	3A /*3A	Yellow	14025/2224
8 Indent Crimp Tool for use with Positioners				14025

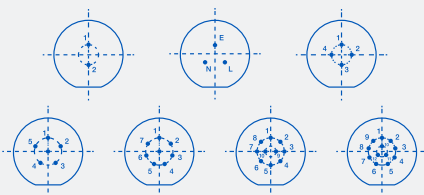
\* 75°C min. Rated Cable

### PXP4013 PCB Contact Layout:



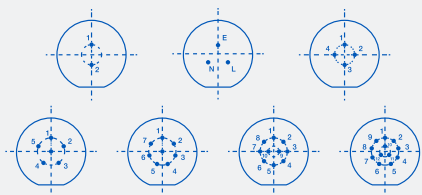
#### Sockets:

Contact Numbers viewed from Rear:



#### Plugs:

Contact Numbers viewed from Rear:



## Technical Overview Data

### Electrical:

<b>No. Poles:</b>	2 & 3	4, 6 & 8	10 & 12
<b>Current Rating UL / VDE:</b>	13A	8A	3A
<b>Current Rating CSA:</b>	10A	5A	3A
<b>Voltage Rating (ac/dc):</b>	600Vac/dc	600Vac/dc	600Vac/dc

**Contact Resistance:** <5mΩ

**Insulation Resistance:** >10<sup>6</sup>MΩ (@ 500V d.c.)

**AC Breakdown Voltage:** 2.5kV

**Operating Temperature Flex & Panel Types:** -40°C to +120°C

### Approvals



### Materials:

#### Flex & Panel Types

<b>Body Mouldings:</b>	Polyamide
<b>Flammability Rating:</b>	UL94V-0
<b>UV Resistance:</b>	To EN 50021:1999

**Contacts:** Copper alloy, Gold Plated

**O Rings:** Silicone

**Panel Sealing O Ring:** Silicone

**RoHS** Compliant

### Mechanical:

**Sealing:** IP66 to En60529:1992+A2:2013  
IP68 to En60529:1992+A2:2013 (10m depth for 2 weeks)  
IP69k to DIN 40050-9

IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k

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

**Vibration:** BS EN 60068-2-64:2008 Test Fh  
BS EN 60068-2-27:2009 Test Ea

**Cable Acceptance:** 3.0 - 7.0mm

**Contact Accommodation:** 2 & 3 Pole 16 - 18 AWG  
4, 6 & 8 Pole 18\* - 20 AWG  
10 & 12 Pole 22 - 24 AWG  
*\* Solid Core Wire Only*

**Termination:** Crimp, Solder & PCB

#### Insertion / Withdrawal Force

<b>No. Poles:</b>	2 & 3	4, 6, 8	10 & 12
<b>Insertion Force (typ):</b>	25N	28N	62N
<b>Withdrawal Force (typ):</b>	17N	22N	29N

**Panel Mount (PXP4013) Front Fixing Nut:** 1.0-1.1Nm (9lbf.in.)

**Cable Retention Force:**  
3.0mm Dia 60N  
4.0 to 7.0mm Dia 80N

**Panel Thread PXP4013:** 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	19.7mm
Dia. Over Coupling Ring	

# 4000 Series Buccaneer

PXP40 xx	XX	X	XXXX
<p><b>Body Styles</b></p> <p><b>PXP4010</b> = Flex Body</p> <p><b>PXP4011</b> = Flex In-Line Body</p> <p><b>PXP4013</b> = Rear Panel / PCB Mounting Body</p>	<p><b>Number Contacts</b></p> <p><b>02</b> = 2 Pole</p> <p><b>03</b> = 3 Pole</p> <p><b>04</b> = 4 Pole</p> <p><b>06</b> = 6 Pole</p> <p><b>08</b> = 8 Pole</p> <p><b>10</b> = 10 Pole</p> <p><b>12</b> = 12 Pole</p>	<p><b>Contact Type</b></p> <p><b>P</b> = Pin</p> <p><b>S</b> = Socket</p>	<p><b>For PXP4010 &amp; PXP4011 Cable Connectors - Cable Entry Size:</b></p> <p><b>3035</b> = 3.0 - 3.5mm (Light Grey)</p> <p><b>3540</b> = 3.5 - 4.0mm (Grey)</p> <p><b>4045</b> = 4.0 - 4.5mm (Green)</p> <p><b>4550</b> = 4.5 - 5.0mm (Red)</p> <p><b>5055</b> = 5.0 - 5.5mm (Yellow)</p> <p><b>5560</b> = 5.5 - 6.0mm (Blue)</p> <p><b>6065</b> = 6.0 - 6.5mm (White)</p> <p><b>6570</b> = 6.5 - 7.0mm (Black)</p> <p>Cable Gland &amp; Collet Supplied in Colour Coded Pairs.</p> <p><b>For PXP4013 PCB / Rear Panel Mount:</b></p> <p><b>PC</b> = Pre-Loaded PC Pins</p> <p><b>Blank</b> = No Pins Supplied</p>
<p><b>Example:</b></p> <p><b>PXP4010/03S/4045</b> = Flex Cable Connector, 3 Socket Contacts with Gland &amp; Collet for Cables between 4.0 &amp; 4.5mm Diameter (supplied less Contacts).</p> <p><b>PXP4013/08P</b> = Rear Panel Mounting Connector, for 8 Pin Contacts (supplied less Contacts).</p> <p><b>PXP4013/03P/PC</b> = Rear Panel / PCB Connector, 3 Pin Contacts, PCB Mounting (supplied with Contacts loaded).</p>			