

900 Series Buccaneer


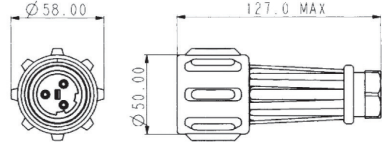

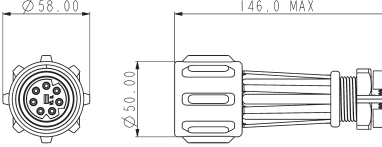
Our most high powered circular connector in the Buccaneer range capable of up to 32A, 600V ac/dc ratings. Sealed up to IP68 and IP69K, the 900 Series features a secure screw thread lock to ensure robust high voltage connections. This Buccaneer series is well suited to applications requiring dust and waterproof connections for single or three phase power distribution.



- Flex Cable Connectors
- Water and dustproof to IP68 when mated with compatible connector
- Positive fast-acting locking ring - can be turned with a gloved hand
- 2, 3, 4, 5, 7, 10 Pole with leading Earth on 3, 4, 5, 7 Pole versions, trailing Neutral on 5 Pole version
- Screw Terminals
- Packs of Cable Glands for differing cable diameters available separately (PX0980, PXA980)
- Plug or Socket
- Choice of cable acceptance 7mm-22mm diameter depending on part code (see data for details):
 - PX09 part codes 7mm-15mm diameter
 - PXA9 part codes (large cable version with strain relief clamp) 14mm-22mm diameter
- PX0960/PX0990 Sealing Caps available separately to maintain IP rating of unmated connectors
- Mates with PX09 or PXA9 Series In-Line Flex and Panel Mount Connectors, as appropriate

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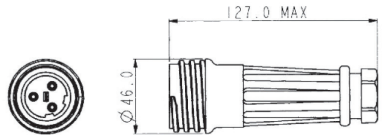

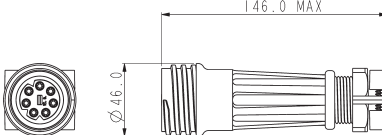


<p>Flex Cable Connector</p>  <p>PX0911</p>	<ul style="list-style-type: none"> ⬡ Mates with In-Line Flex or Panel Mounting Versions ⬡ Positive, Fast Acting Locking Ring - Can be Turned with Gloved Hand ⬡ Plug or Socket Versions PX0 Series 13-15mm Cable Dia. as Standard 7-13mm with Additional Gland Pack ⬡ PXA Series 20-22mm Cable Dia. as Standard 14-20mm with Additional Gland Pack 	
<p>Flex Cable Connector</p>  <p>PXA911</p>	<ul style="list-style-type: none"> ⬡ Strain Relief Clamp 	

Part No.	Poles	Cable Size	Part No.	Poles	Cable Size
PX0911/02/P	02 (Plug)	Standard	PX0911/02/S	02 (Socket)	Standard
PX0911/03/P	03 (Plug)	Standard	PX0911/03/S	03 (Socket)	Standard
PX0911/04/P	04 (Plug)	Standard	PX0911/04/S	04 (Socket)	Standard
PX0911/05/P	05 (Plug)	Standard	PX0911/05/S	05 (Socket)	Standard
PX0911/07/P	07 (Plug)	Standard	PX0911/07/S	07 (Socket)	Standard
PX0911/10/P	10 (Plug)	Standard	PX0911/10/S	10 (Socket)	Standard
PXA911/02/P	02 (Plug)	Large	PXA911/02/S	02 (Socket)	Large
PXA911/03/P	03 (Plug)	Large	PXA911/03/S	03 (Socket)	Large
PXA911/04/P	04 (Plug)	Large	PXA911/04/S	04 (Socket)	Large
PXA911/05/P	05 (Plug)	Large	PXA911/05/S	05 (Socket)	Large
PXA911/07/P	07 (Plug)	Large	PXA911/07/S	07 (Socket)	Large
PXA911/10/P	10 (Plug)	Large	PXA911/10/S	10 (Socket)	Large

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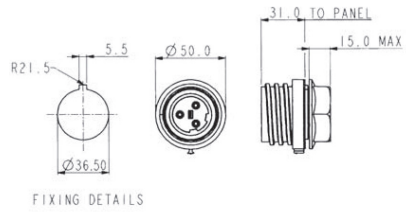


<p>In-Line Flex Cable Connector</p>  <p>PX0921</p>	<ul style="list-style-type: none"> ⊕ Mates with Either PX0911 or PXA911 Connectors ⊕ Plug or Socket Versions ⊕ PX0 Series 13-15mm Cable Dia. as Standard 7-13mm with Additional Gland Pack ⊕ PXA Series 20-22mm Cable Dia. as Standard 14-20mm with Additional Gland Pack 	
<p>In-Line Flex Cable Connector</p>  <p>PXA921</p>	<ul style="list-style-type: none"> ⊕ Strain Relief Clamp 	


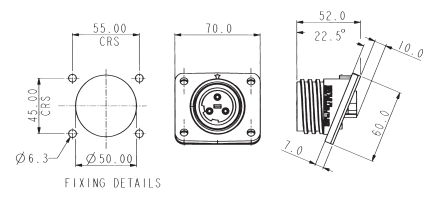
Part No.	Poles	Cable Size	Part No.	Poles	Cable Size
PX0921/02/P	02 (Plug)	Standard	PX0921/02/S	02 (Socket)	Standard
PX0921/03/P	03 (Plug)	Standard	PX0921/03/S	03 (Socket)	Standard
PX0921/04/P	04 (Plug)	Standard	PX0921/04/S	04 (Socket)	Standard
PX0921/05/P	05 (Plug)	Standard	PX0921/05/S	05 (Socket)	Standard
PX0921/07/P	07 (Plug)	Standard	PX0921/07/S	07 (Socket)	Standard
PX0921/10/P	10 (Plug)	Standard	PX0921/10/S	10 (Socket)	Standard
PXA921/02/P	02 (Plug)	Large	PXA921/02/S	02 (Socket)	Large
PXA921/03/P	03 (Plug)	Large	PXA921/03/S	03 (Socket)	Large
PXA921/04/P	04 (Plug)	Large	PXA921/04/S	04 (Socket)	Large
PXA921/05/P	05 (Plug)	Large	PXA921/05/S	05 (Socket)	Large
PXA921/07/P	07 (Plug)	Large	PXA921/07/S	07 (Socket)	Large
PXA921/10/P	10 (Plug)	Large	PXA921/10/S	10 (Socket)	Large

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<p>Panel Mounting Connector</p>  <p style="text-align: right; color: blue;">PX0931</p>	<ul style="list-style-type: none"> ⬡ Mates with PX0911 & PXA911 Connectors ⬡ Single Hole Fixing ⬡ Anti-Rotation Key ⬡ High Grade Sealing Gasket 3-7mm Panel Thickness 	
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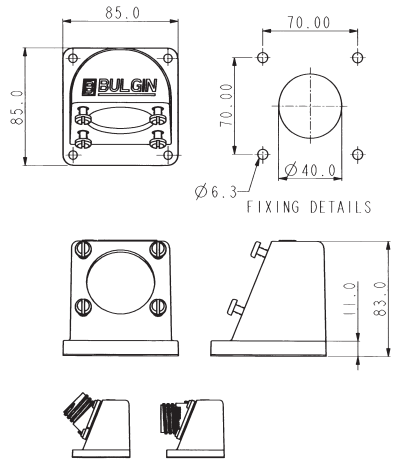

Part No.	Poles	Part No.	Poles
PX0931/02/P	02 (Plug)	PX0931/02/S	02 (Socket)
PX0931/03/P	03 (Plug)	PX0931/03/S	03 (Socket)
PX0931/04/P	04 (Plug)	PX0931/04/S	04 (Socket)
PX0931/05/P	05 (Plug)	PX0931/05/S	05 (Socket)
PX0931/07/P	07 (Plug)	PX0931/07/S	07 (Socket)
PX0931/10/P	10 (Plug)	PX0931/10/S	10 (Socket)

<p>Flange Mounting Connector</p>  <p style="text-align: right; color: blue;">PX0941</p>	<ul style="list-style-type: none"> ⬡ Mates with PX0911 & PXA911 Connectors ⬡ Supplied with High Grade Sealing Gasket ⬡ Supplied with Sealing Grommets for Panel Fixing Screws (M6 Thread Recommended) 	
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Part No.	Poles	Part No.	Poles
PX0941/02/P	02 (Plug)	PX0941/02/S	02 (Socket)
PX0941/03/P	03 (Plug)	PX0941/03/S	03 (Socket)
PX0941/04/P	04 (Plug)	PX0941/04/S	04 (Socket)
PX0941/05/P	05 (Plug)	PX0941/05/S	05 (Socket)
PX0941/07/P	07 (Plug)	PX0941/07/S	07 (Socket)
PX0941/10/P	10 (Plug)	PX0941/10/S	10 (Socket)

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<p>Additional Bulkhead Adaptor Moulding</p>  <p>PX0950</p>	<ul style="list-style-type: none"> ⬡ For use with Flange Mounting Connector PX0941 to give 45° or 90° Angle ⬡ Supplied with High Grade Sealing Gasket ⬡ Supplied with Sealing Grommets for Panel Fixing Screws (M6 Thread Recommended) 	
<p>Additional Bulkhead Adaptor Moulding</p>  <p>PX0950 PX0941</p>		

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Heavy Duty Sealing Caps




EXP-0990
EXP-0991
EXP-0992

⬡ Sealing Caps and Heavy Duty Sealing Caps to Maintain IP68 Rating of Unmated Connectors with Plastic Straps

Part No.	Description
PX0960	Sealing Cap for use with PX0911/xx/x and PXA911/xx/x
PX0970	Sealing cap for use with all other styles
PX0990	Heavy Duty Sealing Cap for use with PX0911/xx/x and PXA911/xx/x
PX0991	Heavy Duty Sealing Cap for use with PX0921/xx/x and PXA921/xx/x
PX0992	Heavy Duty Sealing Cap for use with PX0931W and PX0941

Cable Glands



PX0980
PXA980

⬡ Packs of 3 Additional Pairs Cable Glands for EXPlora Series Flex Cable Connectors




Part No.	Description
PX0980	Pack of 3 Additional Cable Glands for PX0911 and PX0921 to Suit Cable Sizes: 11-13mm, 9-11 and 7-9mm dia.
PXA980	Pack of 3 Additional Cable Glands for PXA911 and PXA921 to Suit Cable Sizes: 18-20mm, 16-18 and 14-16mm dia.

Technical Overview Data

Electrical:

No Poles:	2, 3	4, 5	7	10†
Current Rating:	32A, 30A, CSA	32A, 25A, CSA	32A, 25A, CSA*	10A UL
Voltage Rating:	600V ac/dc	600V ac/dc	430V ac/dc	250V ac/dc
Contact Resistance:	<10m Ω (initial)			
Insulation Resistance:	>10 ⁶ MΩ (@ 500V dc)			
Dielectric Strength:	2.2kV ac min			
AC Breakdown Voltage:	6kV			
Operating Temperature Range:	- 40°C to + 85°C			

Approvals

 UL	E214972
 CSA	1211899
 VDE	40003148

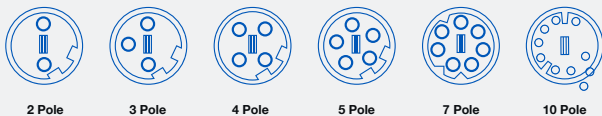
* with 75°C min. Rated Cable

Materials:

Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN50021: 1999
Contacts:	Machined Solid Brass, Nickel Plated
O Rings:	Nitrile
Panel Sealing Gasket:	Silicone Rubber

RoHS	Compliant
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Contact Layout:



Dimensions:

Overall Dimensions of Connectors When Mated

PX0911 + PX0921 =	230 mm Max.
PXA911 + PXA921 =	270 mm Max.
PX0911 + PX0931 =	135 mm Max. (to Panel)
PXA911 + PX0931 =	175 mm Max. (to Panel)
PX0911 + PX0941 =	145 mm Max. (to Panel, Mid Point on Flange)
PXA911 + PX0941 =	174 mm max. (to Panel, Mid Point on Flange)

Mechanical:

Sealing:	IP69K, Tested in Accordance with DIN 40050/Part 9 IP6K9K
Salt Mist:	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
Cable Acceptance:	PX0911-PX0921 13 - 15mm O/D Standard 7-13mm with Gland Pack PXA911-PXA921 20 - 22mm O/D Standard 14 - 20mm with Gland Pack
Contact Accommodation:	2-7 Pole - 2.5 to 4mm ² (13 to 10AWG) Conductor, Single or Multi Stranded 10 Pole - 0.75 to 2mm ² (14 to 18AWG) Conductor, Single or Multi Stranded
Termination:	Axial Screw Terminals
Cable Retention Force:	22mm Dia, 150N 15mm Dia, 150N 7mm Dia, 80N
Gland Nut Torques	
PX0 Range	
13-15mm (Yellow - Std.):	3.16Nm (28 lbf.in.)
11-13mm (Black):	3.16Nm (28 lbf.in.)
7-9mm (Dark Grey):	3.16Nm (28 lbf.in.)
PXA Range	
20-22mm (Yellow - Std.):	3.16Nm (28 lbf.in.)
18-20mm (Black):	3.16Nm (28 lbf.in.)
16-18mm (White):	3.16Nm (28 lbf.in.)
14-16mm (Dark Grey):	3.16Nm (28 lbf.in.)
Tightening Torques	
Panel Mount Nut	
Flange & Bulkhead:	2.25Nm (20 lbf.in.)
Fixing Screws:	0.9Nm (8 lbf.in.)
Inserts Into Bodies:	1.13Nm (10 lbf.in.) to 1.36Nm (12 lbf.in.)
Term Screws - 2 to 5 Poles:	1.0Nm (9 lbf.in.) Max
Term Screws - 7 Pole:	0.4Nm (3.5 lbf.in.) Max
Term Screws - 10 Pole:	0.25Nm (2.2 lbf.in.) Max
Rear Thread PX0931 Series:	M36 x 2-6g

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PX	X9	X	X	/	XX	/	X	/	XX
Series Designation	Body Styles	Contact Termination	Number Contacts		Contact Type		Cable Acceptance		
09 = Standard Cable Accommodation (7-13mm) A9 = Large Cable Accommodation (14-22mm)	1 = Flex 2 = Flex In-line 3 = Panel 4 = Flange Panel	1 = Screw Terminal	02 = 2 Pole 03 = 3 Pole 04 = 4 Pole 05 = 5 Pole 07 = 7 Pole 10 = 10 Pole		P = Plug S = Socket		EXP-0 Version: Blank = 13-15mm Yellow Cable Gland (Std) 3 = 11-13mm Black Cable Gland 2 = 9-11mm White Cable Gland 1 = 7-9mm Dark Grey Cable Gland EXP-A Version: Blank = 20-22mm Yellow Cable Gland (Std) 9 = 18-20mm Black Cable Gland 8 = 16-18mm White Cable Gland 7 = 14-16mm Dark Grey Cable Gland		
<p>Example:</p> <p>PX0911/07/P/03 = Flex cable connector with standard cable accommodation body, seven pin contacts, with gland to suit 11-13mm cable.</p>									