



- ⬢ IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- ⬢ IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- ⬢ 32A, 600V ac/dc rating
- ⬢ 2, 3, 4, 5, 7 and 10 pole
- ⬢ Plug or socket connection in each body style
- ⬢ Water and dustproof to IP68 when mated
- ⬢ 'Scoop proof' contacts
- ⬢ Field termination - screw terminations
- ⬢ Positive locating keyways - cannot be mis-connected
- ⬢ Sealing caps available to maintain IP68 rating of unmated connectors
- ⬢ Leading earth contact for 3, 4, 5 and 7 pole versions
- ⬢ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
- ⬢ Trailing Neutral on 5 pole
- ⬢ Compact design
- ⬢ Easy assembly - no special tools required
- ⬢ Single or 3 phase applications
- ⬢ Bulkhead moulding available for use with flange mounting body for 45° or 90° mounting (order each separately)
- ⬢ Cost effective solution
- ⬢ Cable accommodation 7-22mm O/D
- ⬢ Two cable connector versions for 15mm and 22mm (maximum) cable diameters
- ⬢ Separate strain relief on large cable version
- ⬢ CCC, UL, CSA and VDE approvals

Flex Cable Connector



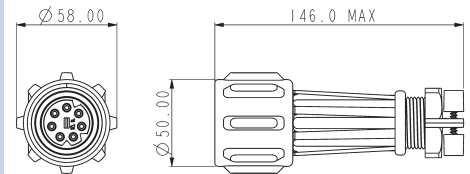
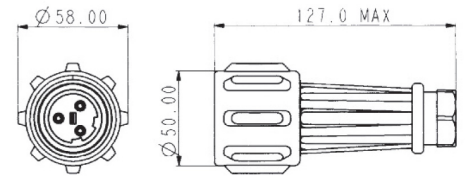
PX0911

Flex Cable Connector



PXA911

- Mates with in-line flex or panel mounting versions
- Positive, fast acting locking ring - can be turned with a 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
- Strain Relief Clamp



| Standard Cable | Large Cable | Description  | Standard Cable | Large Cable | Description    |
|----------------|-------------|--------------|----------------|-------------|----------------|
| PX0911/02/P    | PXA911/02/P | 2 pole Plug  | PX0911/02/S    | PXA911/02/S | 2 pole Socket  |
| PX0911/03/P    | PXA911/03/P | 3 pole Plug  | PX0911/03/S    | PXA911/03/S | 3 pole Socket  |
| PX0911/04/P    | PXA911/04/P | 4 pole Plug  | PX0911/04/S    | PXA911/04/S | 4 pole Socket  |
| PX0911/05/P    | PXA911/05/P | 5 pole Plug  | PX0911/05/S    | PXA911/05/S | 5 pole Socket  |
| PX0911/07/P    | PXA911/07/P | 7 pole Plug  | PX0911/07/S    | PXA911/07/S | 7 pole Socket  |
| PX0911/10/P    | PXA911/10/P | 10 pole Plug | PX0911/10/S    | PXA911/10/S | 10 pole Socket |

In-Line Flex Cable Connector



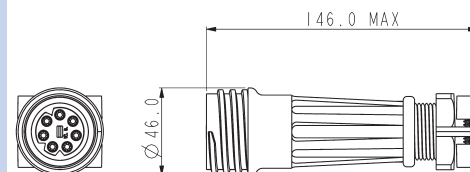
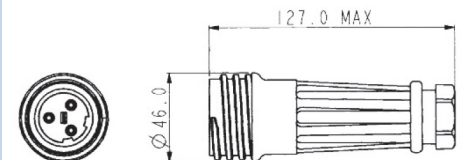
PX0921

In-Line Flex Cable Connector



PXA921

- 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
- Strain Relief Clamp



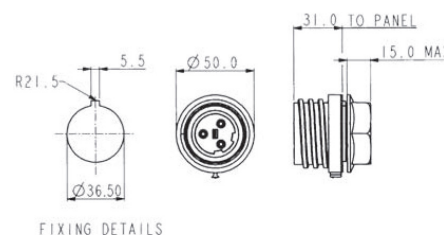
| Standard Cable | Large Cable | Description  | Standard Cable | Large Cable | Description    |
|----------------|-------------|--------------|----------------|-------------|----------------|
| PX0921/02/P    | PXA921/02/P | 2 pole Plug  | PX0921/02/S    | PXA921/02/S | 2 pole Socket  |
| PX0921/03/P    | PXA921/03/P | 3 pole Plug  | PX0921/03/S    | PXA921/03/S | 3 pole Socket  |
| PX0921/04/P    | PXA921/04/P | 4 pole Plug  | PX0921/04/S    | PXA921/04/S | 4 pole Socket  |
| PX0921/05/P    | PXA921/05/P | 5 pole Plug  | PX0921/05/S    | PXA921/05/S | 5 pole Socket  |
| PX0921/07/P    | PXA921/07/P | 7 pole Plug  | PX0921/07/S    | PXA921/07/S | 7 pole Socket  |
| PX0921/10/P    | PXA921/10/P | 10 pole Plug | PX0921/10/S    | PXA921/10/S | 10 pole Socket |

#### Panel Mounted Connector



PX0931

- Mates with PX0911 and PXA911 connectors
- Single hole fixing
- Anti-rotation key
- High grade sealing gasket
- 3-7mm panel thickness



#### Panel Mounting

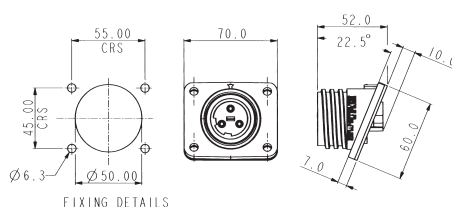
|             |              |             |                |
|-------------|--------------|-------------|----------------|
| PX0931/02/P | 2 pole Plug  | PX0931/02/S | 2 pole Socket  |
| PX0931/03/P | 3 pole Plug  | PX0931/03/S | 3 pole Socket  |
| PX0931/04/P | 4 pole Plug  | PX0931/04/S | 4 pole Socket  |
| PX0931/05/P | 5 pole Plug  | PX0931/05/S | 5 pole Socket  |
| PX0931/07/P | 7 pole Plug  | PX0931/07/S | 7 pole Socket  |
| PX0931/10/P | 10 pole Plug | PX0931/10/S | 10 pole Socket |

#### Flange Mounted Connector



PX0941

- Mates with PX0911 and PXA911 connectors
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)



#### Flange Mounting

|             |              |             |                |
|-------------|--------------|-------------|----------------|
| PX0941/02/P | 2 pole Plug  | PX0941/02/S | 2 pole Socket  |
| PX0941/03/P | 3 pole Plug  | PX0941/03/S | 3 pole Socket  |
| PX0941/04/P | 4 pole Plug  | PX0941/04/S | 4 pole Socket  |
| PX0941/05/P | 5 pole Plug  | PX0941/05/S | 5 pole Socket  |
| PX0941/07/P | 7 pole Plug  | PX0941/07/S | 7 pole Socket  |
| PX0941/10/P | 10 pole Plug | PX0941/10/S | 10 pole Socket |

Additional Bulkhead Adaptor Moulding



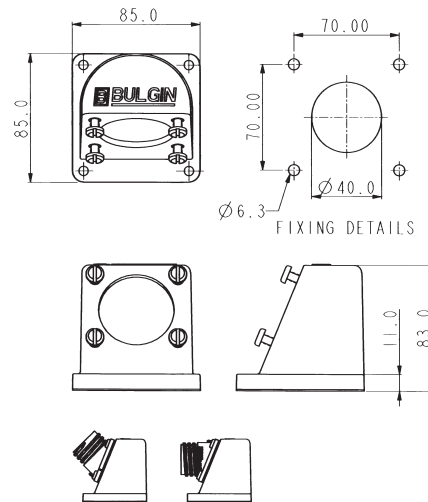
PX0950

Additional Bulkhead Adaptor Moulding



PX0950 & PX0941

- 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)



Accessories



PX0960, PX0970

- Sealing caps to maintain IP68 rating of unmated connectors, with plastic straps

Accessories



PX0990, PX0991, PX0992

- Heavy duty sealing caps to maintain IP68 rating of unmated connectors, with stainless steel straps

Sealing Caps

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| 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          |

Gland Packs

|        |                                                                                                              |
|--------|--------------------------------------------------------------------------------------------------------------|
| 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. |

## Electrical

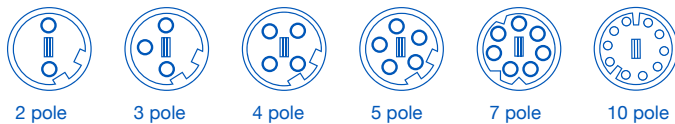
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                  |            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|------------|
| No Poles:                    | 2, 3                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4, 5            | 7                | 10†        |
| Current Rating:              | 32A<br>30A, CSA                                                                                                                                                                                                                                                                                                                                                                                                                          | 32A<br>25A, CSA | 32A<br>25A, CSA* | 10A<br>UL  |
| Voltage Rating:              | 600V ac/dc                                                                                                                                                                                                                                                                                                                                                                                                                               | 600V ac/dc      | 430V ac/dc       | 250V ac/dc |
| Contact Resistance:          | <10m Ω (initial)                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                  |            |
| Insulation Resistance:       | >10 <sup>9</sup> MΩ (@ 500V dc)                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                  |            |
| Dielectric strength:         | 2.2kV ac min                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |            |
| AC Breakdown voltage:        | 6kV                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                  |            |
| Operating Temperature Range: | -40°C to +85°C                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                  |            |
| Approvals:                   |  E214972<br> 1211899<br> 40003148<br> 2011010203500396 – 10 Amp Rated<br>2011010203500396 – 32 Amp Rated |                 |                  |            |

\*with 75°C min. rated cable

## Material

|                       |                                     |
|-----------------------|-------------------------------------|
| 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                           |

## Contact Layout



## Dimensions

Overall dimensions of connectors when mated together

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<br>IP6K9K.                                                                                                                       |
|                        | IP68, EN60529:1992+A2:2013 tested @ 1.054kg/sq.cm.<br>(15lb/sq.in.) 10m depth for 2 weeks                                                                                          |
| Salt Mist:             | EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine<br>Severity Level 1                                                                                                                 |
| Cable Acceptance:      | PX0911-PX0921 13 - 15mm O/D standard,<br>7-13mm with gland pack<br>PXA911-PXA921 20 - 22mm O/D standard,<br>14 - 20mm with gland pack                                              |
| Contact Accommodation: | 2-7 pole - 2.5 to 4mm <sup>2</sup> (13 to 10AWG)<br>conductor, single or multi stranded<br>10 pole - 0.75 to 2mm <sup>2</sup> (14 to 18AWG)<br>conductor, single or multi stranded |
| Termination:           | Axial screw terminals                                                                                                                                                              |

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Cable Retention force: | 22mm dia, 150N<br>15mm dia, 150N<br>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               | 3.16Nm (28 lbf.in.) |
| 20-22mm (Yellow - std.) |                     |
| 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            | 2.25Nm (20 lbf.in.)                        |
| Flange & Bulkhead          |                                            |
| 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

BUCCANEER FOR POWER  
900 Series Buccaneer

Part No System



| 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)<br><br>A9 = Large Cable Accommodation (14-22mm)                                                             | 1 = Flex<br>2 = Flex In-line<br>3 = Panel<br>4 = Flange Panel | 1 = Screw Terminal  |   | 02 = 2 pole<br>03 = 3 pole<br>04 = 4 pole<br>05 = 5 pole<br>07 = 7 pole<br>10 = 10 pole |   | P = Plug, S = Socket |   | <b>EXP-0 version:</b><br>Blank = 13-15mm<br>Yellow cable gland (std)<br><br>3 = 11-13mm<br>Black cable gland<br><br>2 = 9-11mm<br>White cable gland<br><br>1 = 7-9mm<br>Dark Grey cable gland<br><br><b>EXP-A version:</b><br>Blank = 20-22mm<br>Yellow cable gland (std)<br><br>9 = 18-20mm<br>Black cable gland<br><br>8 = 16-18mm<br>White cable gland<br><br>7 = 14-16mm<br>Dark Grey cable gland |
| <b>Example:</b><br>PX0911/07/P/03 = Flex cable connector with standard cable accommodation body, seven pin contacts, with gland to suit 11-13mm cable. |                                                               |                     |   |                                                                                         |   |                      |   |                                                                                                                                                                                                                                                                                                                                                                                                       |



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