



- ⊕ 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 Contact
- ⊕ 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 Contact versions
- ⊕ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
- ⊕ Trailing Neutral on 5 Contact
- ⊕ 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
- ⊕ UL, CSA and VDE approvals

Flex Cable Connector



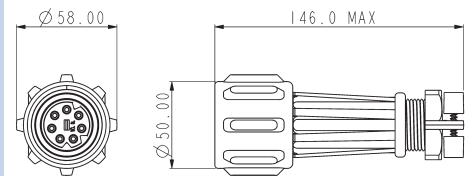
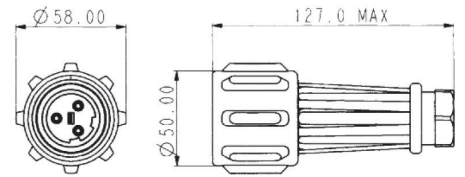
PX0911

Flex Cable Connector



PXA911

- Mates with Inline 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 PX0980
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional Gland Pack PXA980
- Strain Relief Clamp



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

Inline Cable Connector



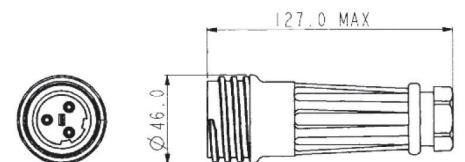
PX0921

Inline 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 PX0980
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional Gland Pack PXA980
- Strain Relief Clamp



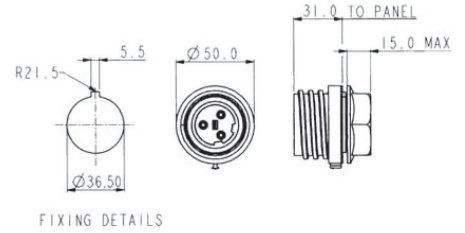
| Standard Cable | Large Cable | Description     | Standard Cable | Large Cable | Description       |
|----------------|-------------|-----------------|----------------|-------------|-------------------|
| PX0921/02/P    | PXA921/02/P | 2 Contact Plug  | PX0921/02/S    | PXA921/02/S | 2 Contact Socket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

Front 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 Contact Plug  | PX0931/02/S | 2 Contact Socket  |
| PX0931/03/P | 3 Contact Plug  | PX0931/03/S | 3 Contact Socket  |
| PX0931/04/P | 4 Contact Plug  | PX0931/04/S | 4 Contact Socket  |
| PX0931/05/P | 5 Contact Plug  | PX0931/05/S | 5 Contact Socket  |
| PX0931/07/P | 7 Contact Plug  | PX0931/07/S | 7 Contact Socket  |
| PX0931/10/P | 10 Contact Plug | PX0931/10/S | 10 Contact 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 Contact Plug  | PX0941/02/S | 2 Contact Socket  |
| PX0941/03/P | 3 Contact Plug  | PX0941/03/S | 3 Contact Socket  |
| PX0941/04/P | 4 Contact Plug  | PX0941/04/S | 4 Contact Socket  |
| PX0941/05/P | 5 Contact Plug  | PX0941/05/S | 5 Contact Socket  |
| PX0941/07/P | 7 Contact Plug  | PX0941/07/S | 7 Contact Socket  |
| PX0941/10/P | 10 Contact Plug | PX0941/10/S | 10 Contact 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)



Sealing Caps



PX0960, PX0970, PX0990, PX0991, PX0992

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

Cable Glands






PX0980, PXA980

- Packs of 3 additional pairs Cable Glands

**Gland Packs**

- PX0980 Pack of 3 additional cable glands for PX0911 and PX0921 to suit cable sizes: 7-9mm (dark grey), 9-11mm (white) and 11-13mm (Black) diameter
- PXA980 Pack of 3 additional cable glands for PXA911 and PXA921 to suit cable sizes: 14-16mm (dark grey), 16-18mm (white) and 18-20mm (black) diameter

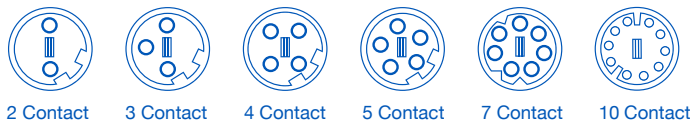
**Electrical**

|                              |  |                 |                  |            |
|------------------------------|--|-----------------|------------------|------------|
| No Contacts:                 | 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:                   | <ul style="list-style-type: none"> <li> UL (Underwriters Laboratory) E214972</li> <li> CSA (Canadian Standards Association) 1211899</li> <li> VDE (Verband der Elektrotechnik) 40003148</li> </ul> |                 |                  |            |
|                              | *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 IP6K9K.<br><br>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:      | PX0911-PX0921 13 - 15mm O/D standard, 7-13mm with gland pack PX0980<br>PXA911-PXA921 20 - 22mm O/D standard, 14 - 20mm with gland pack PXA980  |
| Contact Accommodation: | 2-7 Contact - 2.5 to 4mm <sup>2</sup> (14 to 10AWG) conductor, single or multi stranded<br>10 Contact - 0.75 to 2.5mm <sup>2</sup> (14 to 18AWG) 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               |                     |
| 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                 | 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 Contacts   | 1.0Nm (9 lbf.in.) max                      |
| Term screws - 7 Contact         | 0.4Nm (3.5 lbf.in.) max                    |
| Term screws - 10 Contact        | 0.25Nm (2.2 lbf.in.) max                   |

Rear thread PX0931 series M36 x 2-6g

| <b>PXX9</b>   | <b>X</b>  | <b>X</b>                   | <b>/</b> | <b>XX</b>                        | <b>/</b> | <b>X</b>             | <b>/</b> | <b>XX</b>   |
|---|---|----------------------------|----------|----------------------------------|----------|----------------------|----------|---|
| <b>Series Designation</b>   | <b>Body Styles</b>  | <b>Contact Termination</b> |          | <b>Number of Contacts</b>        |          | <b>Contact Type</b>  |          | <b>Cable Acceptance</b>   |
| 09 = Standard Cable Accommodation (ø7-15mm)<br>A9 = Large Cable Accommodation (ø14-22mm)  | 1 = Flex<br>2 = Inline<br>3 = Front Panel<br>4 = Flange Panel | 1 = Screw Terminal         |          | 02<br>03<br>04<br>05<br>07<br>10 |          | P = Plug, S = Socket |          | <b>PX-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>PX-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 Plug contacts, with gland to suit 11-13mm cable. |   |                            |          |                                  |          |                      |          |   |