



IP68

- ⬢ 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
- ⬢ UL, CSA and VDE approvals

Flex Cable Connector



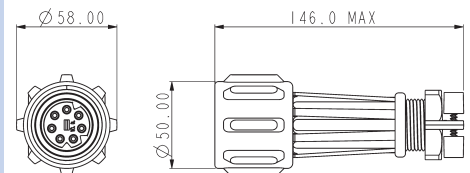
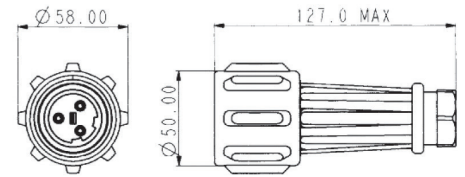
PX0911

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 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 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



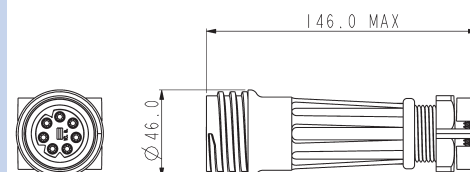
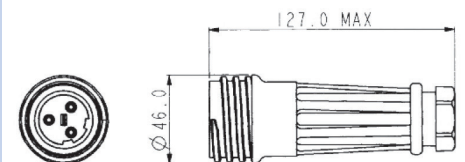
PX0921

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



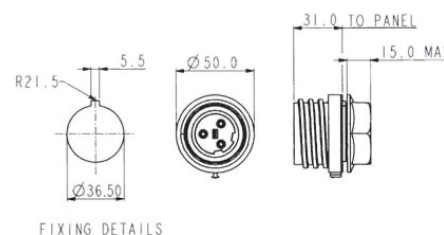
Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
PX0921/02/P	PXA921/02/P	2 pole Plug	PX0921/02/S	PXA921/02/S	2 pole Socket
PX0921/03/P	PXA921/03/P	3 pole Plug	PX0921/03/S	PXA921/03/S	3 pole Socket
PX0921/04/P	PXA921/04/P	4 pole Plug	PX0921/04/S	PXA921/04/S	4 pole Socket
PX0921/05/P	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

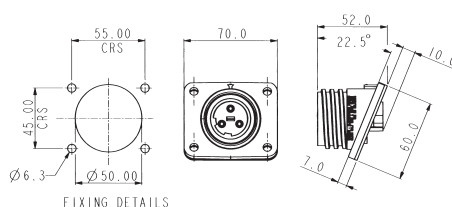
PX0931/02/P	2 pole Plug	PX0931/02/S	2 pole Socket
PX0931/03/P	3 pole Plug	PX0931/03/S	3 pole Socket
PX0931/04/P	4 pole Plug	PX0931/04/S	4 pole Socket
PX0931/05/P	5 pole Plug	PX0931/05/S	5 pole Socket
PX0931/07/P	7 pole Plug	PX0931/07/S	7 pole Socket
PX0931/10/P	10 pole Plug	PX0931/10/S	10 pole Socket

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



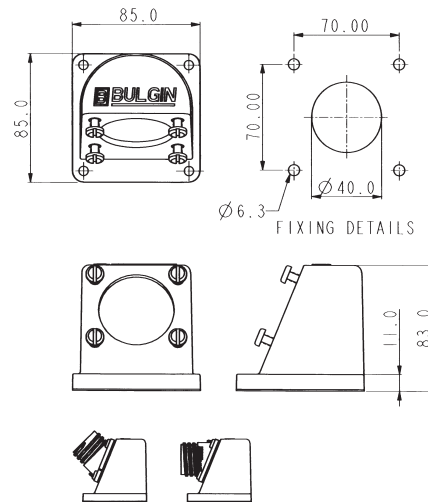
PX0950

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)



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

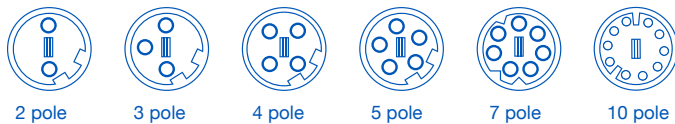
Electrical

No 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 ⁹ MΩ (@ 500V DC)			
Dielectric strength:	2.2kV AC min			
AC Breakdown voltage:	6kV			
Operating Temperature Range:	-40°C to +85°C			
Approvals:				
 UL (Underwater Laboratories)			E214972	
 CSA (Canadian Standards Association)			1211899	
 VDE (Verband der Elektrotechnik)			40003148	
*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.																		
	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 PXA911-PXA921 20 - 22mm O/D standard, 14 - 20mm with gland pack PXA980																		
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:	<table> <tr> <td>PX0 range</td><td></td></tr> <tr> <td>13-15mm (Yellow - std.)</td><td>3.16Nm (28 lbf.in.)</td></tr> <tr> <td>11-13mm (black)</td><td>3.16Nm (28 lbf.in.)</td></tr> <tr> <td>7-9mm (dark grey)</td><td>3.16Nm (28 lbf.in.)</td></tr> <tr> <td>PXA range</td><td></td></tr> <tr> <td>20-22mm (Yellow - std.)</td><td>3.16Nm (28 lbf.in.)</td></tr> <tr> <td>18-20mm (black)</td><td>3.16Nm (28 lbf.in.)</td></tr> <tr> <td>16-18mm (white)</td><td>3.16Nm (28 lbf.in.)</td></tr> <tr> <td>14-16mm (dark grey)</td><td>3.16Nm (28 lbf.in.)</td></tr> </table>	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.)
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Tightening Torques:	<table> <tr> <td>Panel mount nut</td><td>2.25Nm (20 lbf.in.)</td></tr> <tr> <td>Flange & Bulkhead</td><td></td></tr> <tr> <td>fixing screws</td><td>0.9Nm (8 lbf.in.)</td></tr> <tr> <td>Inserts into Bodies</td><td>1.13Nm (10 lbf.in.) to 1.36Nm (12 lbf.in.)</td></tr> <tr> <td>Term screws - 2 to 5 poles</td><td>1.0Nm (9 lbf.in.) max</td></tr> <tr> <td>Term screws - 7 pole</td><td>0.4Nm (3.5 lbf.in.) max</td></tr> <tr> <td>Term screws - 10 pole</td><td>0.25Nm (2.2 lbf.in.) max</td></tr> </table>	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				
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Rear thread PX0931 series	M36 x 2-6g																		



PX X9	X	X	/	XX	/	X	/	XX
Series Designation	Body Styles	Contact Termination		Number of Poles		Contact Type		Cable Acceptance
09 = Standard Cable Accommodation (ø7-15mm) A9 = Large Cable Accommodation (ø14-22mm)	1 = Flex 2 = Flex In-line 3 = Panel 4 = Flange Panel	1 = Screw Terminal		02 03 04 05 07 10		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
Example: PX0911/07/P/03 = Flex cable connector with standard cable accommodation body, seven pin contacts, with gland to suit 11-13mm cable.								