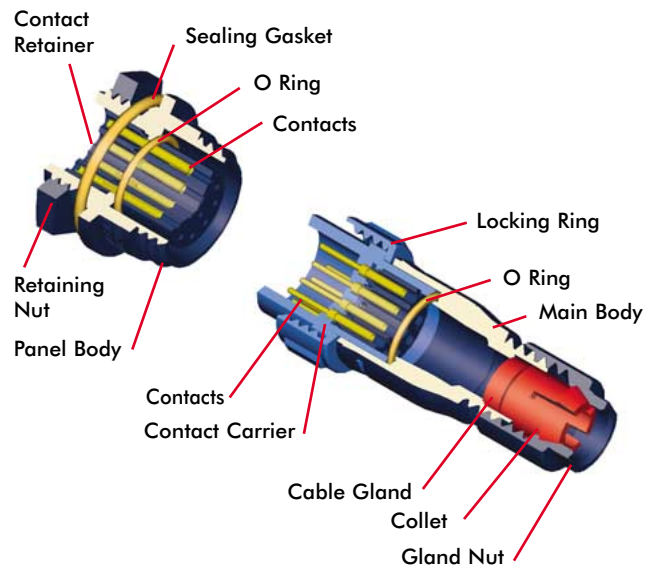


400 Series Buccaneer®

IP68



BUCCANEER

- Sealed to IP68 when mated
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- 2 and 3 pole - 8A, 250V rating
- 4, 6 and 8 pole - 5A, 125V rating
- 10 and 12 pole - 1A, 50V rating
- 2.5mm contact engagement for electrical integrity
- 'Scoop proof' contacts
- Contact inserts are part of body moulding
- Cable range from 3 to 7mm
- Overall length (flex + flex in-line) 80mm
- Gold plated contacts
- Diameter over coupling ring 19.1mm
- Flex, Flex In-Line, Front Panel, Rear Panel and PCB mounting body styles
- Plug and Socket versions in all body styles
- Flame Retardant moulding material - Polyamide UL94-V0
- Contacts supplied separately (except PCB version)
- Sealing caps available to maintain IP68 rating
- Secure sealing system
- Crimp and solder contacts
- PCB mounting connector supplied with contacts pre-loaded
- Front and rear panel mounting panel connectors
- UL, CSA and VDE approvals

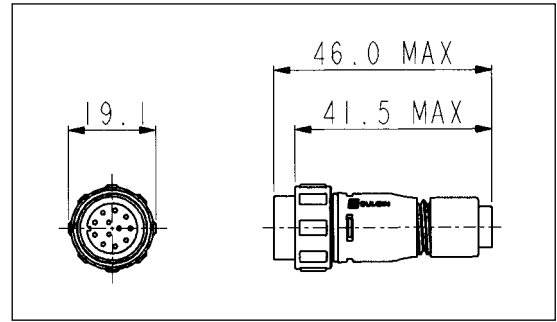
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BUCCANEER

FLEX CABLE CONNECTOR



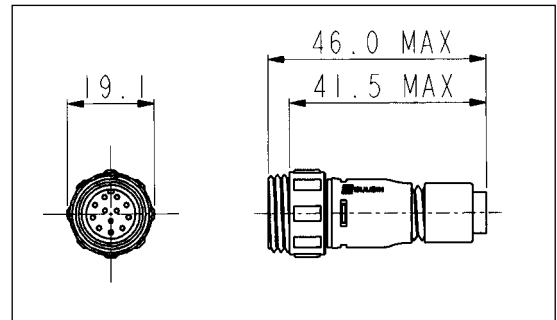
- Mates with Flex In-line or Panel mounting versions PX0411, PX0412 & PX0413
- Screw locking ring
- Contacts supplied separately



IN-LINE FLEX CABLE CONNECTOR



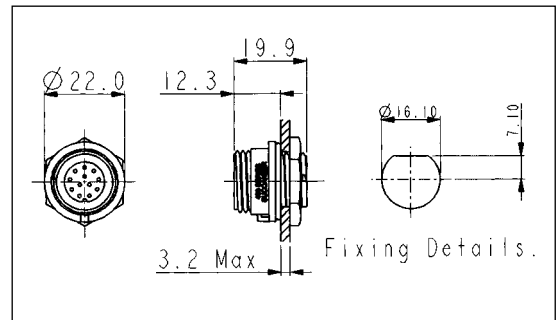
- Mates with Flex Cable connector PX0410
- For in-line cable connection
- Contacts supplied separately



FRONT PANEL MOUNTING CONNECTOR



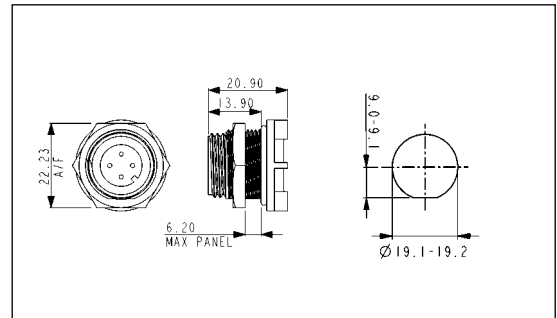
- Mates with Flex Cable connector PX0410
- Front Panel mounting
- Single hole fixing
- Contacts supplied separately



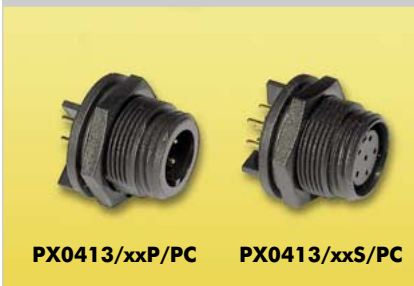
REAR PANEL MOUNTING CONNECTOR



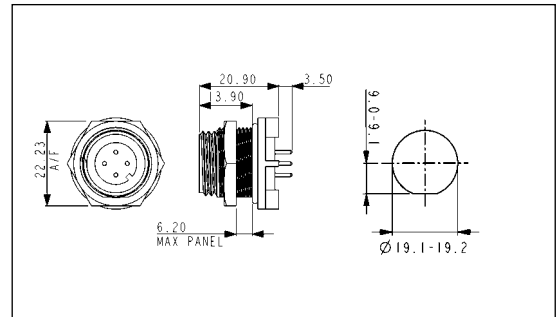
- Mates with Flex Cable connector PX0410
- Rear Panel mounting
- Single hole fixing
- Contacts supplied separately
- 2, 3, 4, 6, 8, 10 or 12 pole



PCB MOUNTING CONNECTOR



- Mates with Flex Cable connector PX0410
- PCB Rear Panel mounting
- Straight PC spills
- Supplied with pre-loaded gold plated contacts
- 2, 3, 4, 6, 8, 10 or 12 pole



SEALING CAPS AND ACCESSORIES



- Maintains IP68 Rating of Unmated Connectors
- PX0480. Fits PX0412 style (panel mounting)
- PX0480/1. Fits PX0411 style (flex in-line)
- PX0481. Fits PX0410 style (flex body)
- PX0484. Fits PX0413 styles (PCB and rear panel mount)

Gland Packs

Part No	Description
PX0482	Pack of 4 pairs cable glands and collets to suit cables from 3.0 to 5.0mm diameter.
PX0483	Pack of 4 pairs cable glands and collets to suit cables from 5.0 to 7.0mm diameter.

CRIMP CONTACTS

Pole	Current Rating	Pin	Socket	Pack Qty	Cable Acceptance (dia)
2, 3	8A	SA3350	SA3349	10	20 - 24 AWG
4, 6, 8	5A	SA3348	SA3347	10	22 - 26 AWG
10, 12	1A	SA3180	SA3179	10	24 - 28 AWG

SOLDER CONTACTS

Pole	Current Rating	Pin	Socket	Pack Qty	Cable Acceptance (dia)
2, 3	8A	SA3350/1	SA3349/1	10	20 - 24 AWG
4, 6, 8	5A	SA3348/1	SA3347/1	10	22 - 26 AWG
10, 12	1A	SA3180/1	SA3179/1	10	24 - 28 AWG

CONTACT INSERTION TOOLS

	Poles	Contact rating	Colour	Part No
Insertion/Extraction Tool	2,3	8A	Blue	13027/2
Insertion/Extraction Tool	4,6,8	5A	Red	13027/1
Insertion/Extraction Tool	10,12	1A	Green	13027

CRIMP TOOLS

	Pole	Contact rating	Colour	Part No
Positioner	2,3	8A	Blue	14025/8AMP
Positioner	4,6,8	5A	Red	14025/5AMP
Positioner	10,12	1A	Green	14025/1AMP
8 Indent Crimp Tool for use with positioners				14025


ORDERING INFORMATION

- Determine body style, i.e. PX0410 = flex body, PX0411 = flex in-line body.
- Determine number of contacts & type, i.e. 02 = 2 way, P = pin contacts.
- Determine cable range, i.e. 3035 = 3.0 to 3.5mm cable accommodation, not required for PX0412 or PX0413 (panel connectors).
- Choose appropriate contacts pack, i.e. SA3350 = pin contacts suitable for 2 & 3 way connectors, supplied in pack quantities of 10. Not needed for PX0413/PC as pre-loaded.
- Is a sealing cap required?
- Is an insertion tool required?
- Is a crimp tool required?

400 Series Buccaneer®

SPECIFICATION

Electrical:

Poles:	2, 3	4, 6, 8	10, 12
Current Rating:	8A	5A	1A
Voltage Rating:	250Vac/dc	125Vac/dc	50Vac/dc
Contact Resistance:	<5mΩ		
Insulation Resistance:	>10 ⁶ MΩ (@ 500V d.c.)		
AC Breakdown Voltage:	2.5kV		
Operating Temperature Range:	-40° to +80°C		
Approvals:	 Approvals pending for PX0413		

Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN 50021:1999
Contacts:	Copper alloy, Gold plated
O Rings:	Nitrile
Panel Sealing O Ring:	Nitrile
RoHS	Compliant

Mechanical:

Sealing:	IP68, EN 60529 tested @ 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks					
Cable Acceptance:	3.0 - 7.0mm					
Contact Accommodation:	2, 3 pole, 20 - 24 AWG 4, 6, 8 pole, 22 - 26 AWG 10, 12 pole, 24 - 28 AWG					
Termination:	Crimp, solder and PCB					
Insertion/Withdrawal Force:						
No. poles:	2	3	4	6	8	10 12
Insertion Force (typ):	19N	25N	27N	27N	28N	55N 62N
Withdrawal Force (typ):	12N	17N	17N	21N	22N	25N 29N
Tightening Torques:						
Panel mount (PX0412)	1.36Nm (12lbf.in.)					
Panel mount (PX0413)	1.36Nm (12lbf.in.)					
Cable Retention force:						
3mm dia	60N					
4.7mm dia	80N					

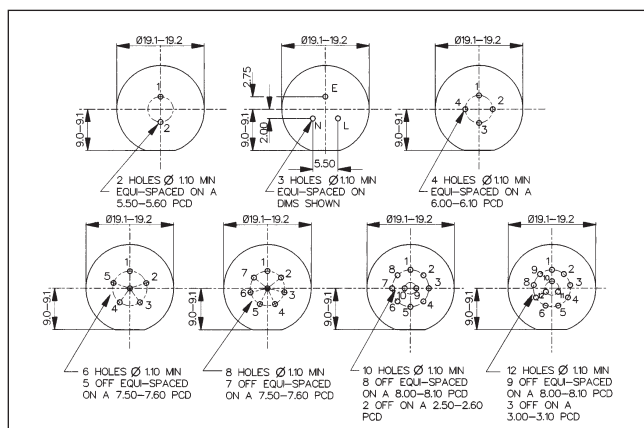
Dimensions:

Overall dimensions of connectors when mated together		
Flex + Flex In-Line	80mm	
Dia. over coupling ring	19.1mm	

PCB CONTACT LAYOUT

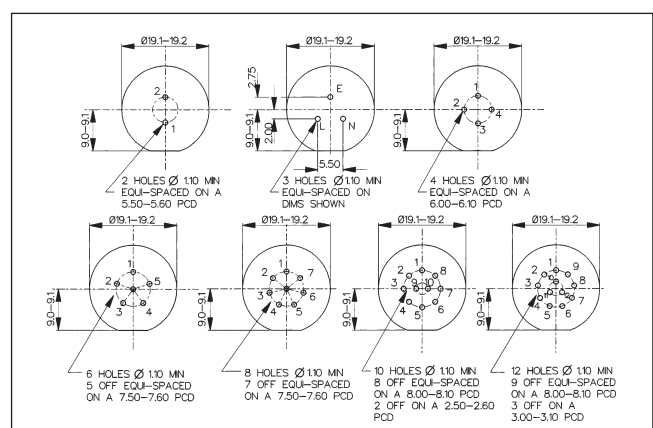
Sockets

Contact numbers viewed from rear of panel

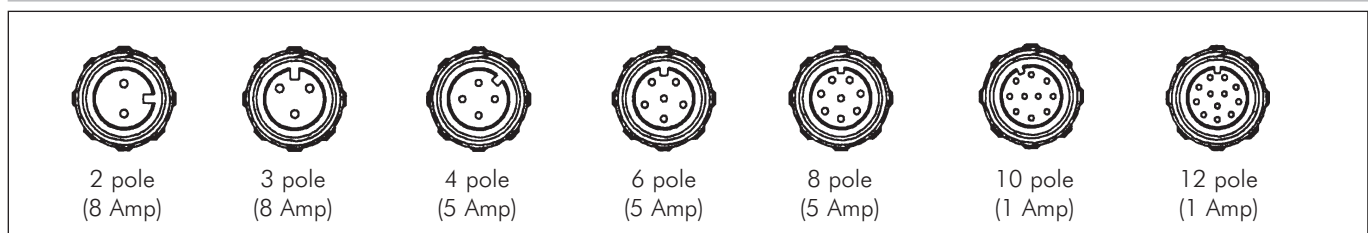


Plugs

Contact numbers viewed from rear of panel



CONTACT LAYOUT



PART NO. SYSTEM

PX04xx / xx x / xxxx

Body Styles

- PX0410** = Flex body
- PX0411** = Flex in-line body
- PX0412** = Front panel mounting body
- PX0413** = Rear panel/PCB mounting body

Number Contacts

- 02** = 2 pole, **03** = 3 pole, **04** = 4 pole, **06** = 6 pole
- 08** = 8 pole, **10** = 10 pole, **12** = 12 pole
- (PX0413: 4, 6, 8, 10 & 12 pole only)

Contact Type

- P** = Pin, **S** = Socket

For PX0410 and PX0411 cable connectors - Cable Entry Size:

- | | |
|--|------------------------------------|
| 3035 = 3.0 - 3.5mm (Light Grey) | 5055 = 5.0 - 5.5mm (Yellow) |
| 3540 = 3.5 - 4.0mm (Grey) | 5560 = 5.5 - 6.0mm (Blue) |
| 4045 = 4.0 - 4.5mm (Green) | 6065 = 6.0 - 6.5mm (White) |
| 4550 = 4.5 - 5.0mm (Red) | 6570 = 6.5 - 7.0mm (Black) |

Cable gland and collet supplied in colour coded pairs.

For PX0413 PCB/Rear Panel Mount:

- PC** = Pre-loaded PC pins
- Blank** = no pins supplied

For PX0412 Front Panel Mount:

Suffix not required - leave blank

Examples:

- PX0410/10S/4045 = Flex cable connector, 10 socket contacts with gland and collet for cables between 4.0 and 4.5mm diameter (supplied less contacts).
- PX0412/08P = Front panel mounting connector, 8 pin contacts (supplied less contacts).
- PX0413/06P = Rear panel mounting connector, for 6 pin contacts (supplied less contacts).
- PX0413/04P/PC = Rear panel/PCB connector, 4 pin contacts, PCB mounting (supplied with contacts loaded).