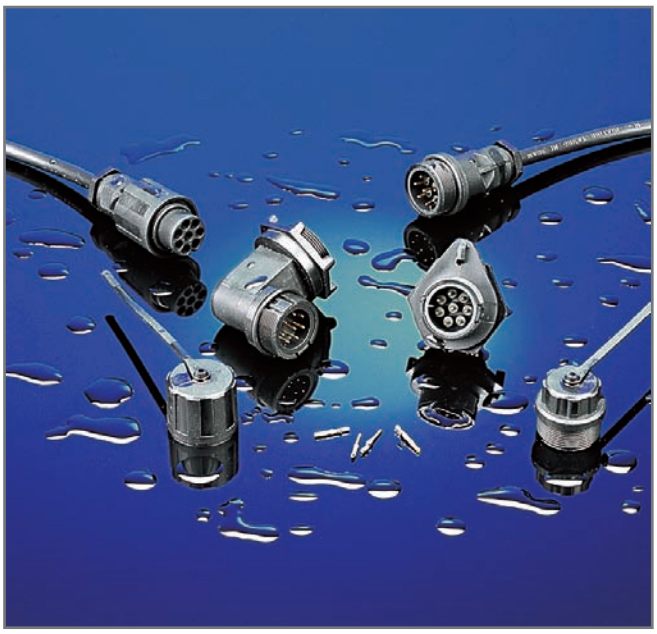
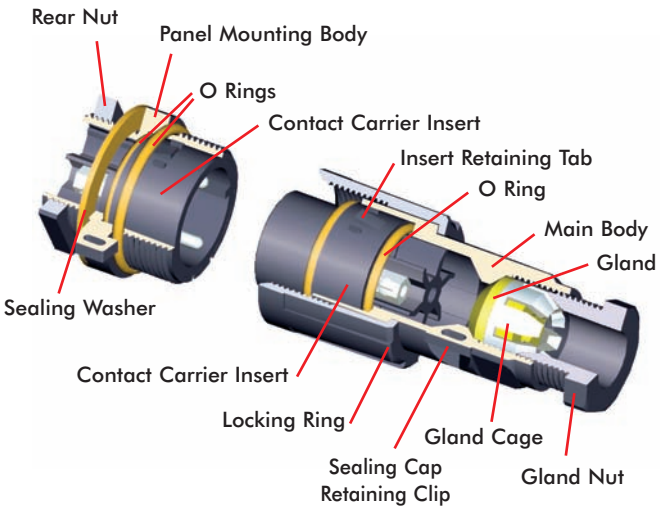
IP68

Mini Buccaneer®

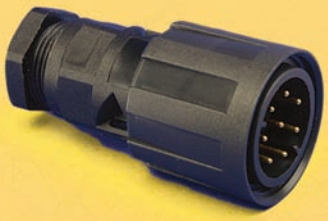




- Water and dustproof to IP68 when mated
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- 2, 3, 4 or 6 pole screw terminal inserts
- 3 or 8 pole solder or crimp inserts
- 5 body styles, Flex, Flex In-Line, Panel (2 styles), Panel Side Entry
- 50Ω or 75Ω BNC inserts
- 5A, 380V a.c. 3 & 8 way solder/crimp terminals
- 10A, 250V a.c. 2 & 3 way screw terminals
- 6A, 250V a.c. 4 way screw terminal
- 3A, 250V a.c. 6 way screw terminal
- Plug or socket connection in each body style
- Cable range from 3.5mm - 9mm
- Diameter over coupling ring 26mm
- Positive locating keyways - cannot be mis-mated
- Sealing caps available to maintain IP68 rating of unmated connectors
- Flammability rating UL94V-0 material
- Leading earth contact on all types (except 2 pole)
- Compact design
- Easy assembly - no special tools required on screw terminal versions
- UL approval

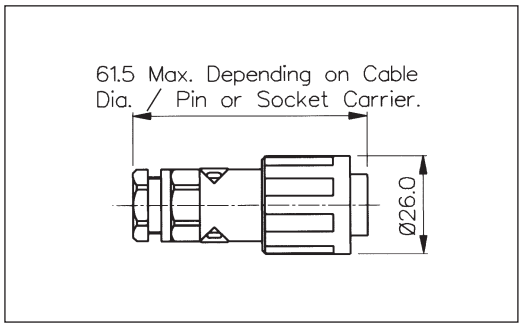
Mini Buccaneer®

FLEX CABLE CONNECTOR



PX0800 - shown with insert

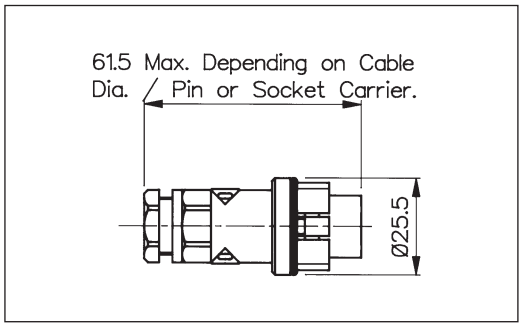
- PX0800 Connector body
- Mates with Flex In-line or Panel Mounting versions
- Screw locking ring
- Suitable for Pin or Socket inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)
- Contact inserts supplied separately



IN-LINE FLEX CABLE CONNECTOR

PX0801 - shown with insert

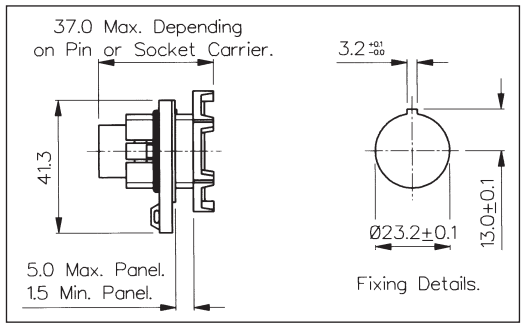
- PX0801 Connector body
- Mates with PX0800 - Flex Cable connector
- Suitable for Pin or Socket inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)
- Contact inserts supplied separately



PANEL MOUNTING

PX0802 - shown with insert

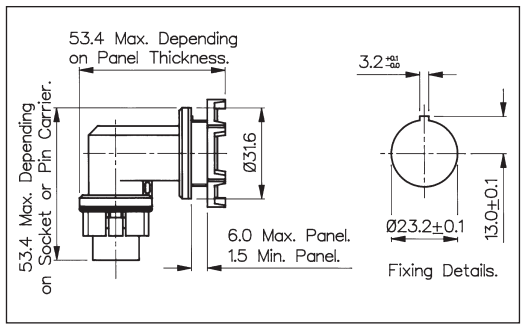
- PX0802 Connector body
- Mates with PX0800 - Flex Cable connector
- Single hole fixing
- Suitable for Pin or Socket inserts
- Contact inserts supplied separately



PANEL MOUNTING

PX0803 - shown with insert

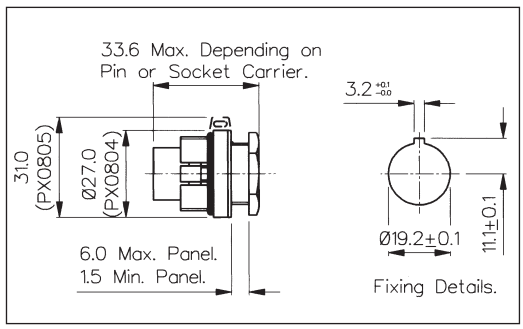
- PX0803 Connector body
- Mates with PX0800 - Flex Cable connector
- Right angle cable entry
- Single hole fixing
- Suitable for Pin or Socket inserts
- Contact inserts supplied separately



PANEL MOUNTING

PX0805 - shown with insert

- PX0804 and PX0805 Connector bodies
- Mates with PX0800 - Flex Cable connector
- PX0804 without sealing cap retaining clip, PX0805 with sealing cap retaining clip
- Single hole fixing
- Suitable for Pin or Socket inserts
- Contact inserts supplied separately



SCREW TERMINAL INSERTS

- 2, 3, 4 and 6 Poles
- Fits all Body Styles
- Leading Earth Pin on 3, 4 and 6 pole inserts
- Nickel Plated contacts

Screw Terminal Inserts - fit all body styles

No. Poles	Socket	Pin
2	SA3319	SA3320
3	SA3229	SA3230
4	SA3242	SA3241
6	SA3244	SA3243

CONTACT CARRIER INSERTS

Inserts shown with contacts fitted

- For Solder or Crimp Contacts
- 3 or 8 Pin
- Fits all Body Styles
- Contacts Supplied Separately

Solder & Crimp Contact Carrier Inserts - fit all body styles.

No. Poles	Solder	Colour	Crimp	Colour
8 pin	12734/1	Black	12734	Grey
8 socket	12735/1	Black	12735	Grey
3 pin	12734/3/1	Black	12734/3	Grey
3 socket	12735/3/1	Black	12735/3	Grey

CONTACTS, POLARISING/BLANKING PINS

- Gold Plated contacts
- Solder or Crimp
- Polarising/Blanking pins

Contacts - Solder & Crimp - for contact carrier inserts

Contacts (Supplied in packs of 10)	Solder	Crimp
Pins	SA3148/1	SA3148
Sockets	SA3149/1	SA3149
Polarising/Blanking Pins	SA3147	
Contact Insertion Tool: Must be used to load contacts into inserts.	SA3150	
Crimping Tool	SA2800	

BNC INSERT KIT

Inserts Shown assembled

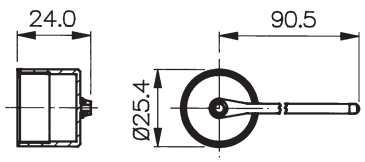
- BNC inserts for 50Ω and 75Ω co-ax cables
- Includes gland and washer to suit coax cable
- Fits all Body Styles (except PX0803)

BNC Inserts - fit all body styles except PX0803

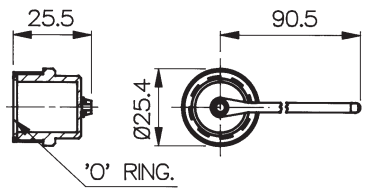
Imp.	Cable Type	Contacts	Part No.
50Ω	RG58/CU, URM43, URM76	Plug	SA3159/1
50Ω	RG58/CU, URM43, URM76	Socket	SA3157/1
75Ω	URM70	Plug	SA3159
75Ω	URM70	Socket	SA3157

SEALING CAPS

To maintain IP rating



PX0810
Fits PX0801, PX0802, PX0803, PX0804 & PX0805. Ensure "O" Ring is in place on main body.



PX0811
Fits PX0800. Ensure "O" Ring is in place in cap.

Mini Buccaneer® Contact Inserts and Accessories

SPECIFICATION

Electrical	Solder/Crimp Terminals	Screw Terminals			BNC
No Poles:	3, 8	2, 3	4	6	
Current Rating:	5A	10A	6A	3A	
Voltage Rating:	380V ac	250V ac	250V ac	250V ac	
Contact Resistance:	<5mΩ				
Insulation Resistance:	>10⁶MΩ @ 500V d.c.				
Voltage Proof:	2kV @ 50Hz				
Operating Temp. Range:	–20°C to +70°C				
Approvals:					
	E214972				

Materials	Solder/Crimp Terminals	Screw Terminals	BNC
Body Mouldings:	Polyamide UL94V-0	Polyamide UL94V-0	
Inserts:	Polyamide UL94V-0	Polyamide UL94V-0	
Contacts:	Copper Alloy, Gold Plated (0.1μm) on Nickel	Brass, Nickel Plated	Brass, Silver Plated.
O Rings:	Nitrile		
RoHS	Compliant	Compliant	Compliant

Mechanical	Solder/Crimp Terminals	Screw Terminals	BNC
Sealing:	Protection Classification IP68, BS EN60529:1992. Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m depth for 2 weeks.		
Cable Acceptance	5-7mm dia - standard gland 3.5-9mm dia - alternative glands		
Contact Accommodation:	0.2 - 0.5mm² (20 - 24 AWG)	1mm² max (18 AWG)	50Ω: RG58/CU, URM43, URM76 75Ω: URM70
Insertion Force (typical):	3 way: 5N (1.1lbf) 8 way: 14N (3.1lbf)	3 way: 45N (10lbf) 4 way: 50N (11lbf) 6 way: 140N (31lbf)	
Withdrawal Force (typical):	3 way: 3N (0.66lbf) 8 way: 12N (2.6lbf)	3 way: 32N (7lbf) 4 way: 40N (9lbf) 6 way: 150N (34lbf)	
Tightening Torques			
Gland Nut, PX0800, 801:	1.13Nm (10lbf in)		
Rear Nut, PX0802, 803, 804, 805:	0.7Nm min, 1.7Nm max (6.2lbf in min, 15lbf in max)		
Sealing Cap, PX0810, 811:	0.23Nm min, 1.13Nm max (2lbf in min, 10lbf in max)		

HOW TO ORDER

- Choose body type, check cable diameter and sealing gland size.
- Determine contact carrier inserts. Choose number of poles, and type of contacts (solder, crimp, screw terminal or BNC).
- Choose pins or sockets. Solder and crimp contacts are supplied separately in packs of ten.
- Choose polarising/blanking pins. If required for solder/crimp contact inserts. Supplied in packs of ten.
- Is an insertion tool required (for solder or crimp contacts)?
- Is a crimp tool required?
- Is a sealing cap required?

CABLE GLANDS

Cable gland for 5-7mm fitted as standard.
BNC Insert Kit includes gland & washer to fit coax cable.

Cable Diameter	Gland Part No.	Gland Colour	Additional Suffix
5-7mm	12023/1	White	Fitted as standard
3.5-5mm	SA3426	Grey	Suffix /04†
6-8mm	12023	Black	Suffix /06
7-9mm	12023/2	Yellow	Suffix /07
Gland Pack	PX0812	Pack of 3 glands to suit cables 3.5-5mm, 6-8mm, 7-9mm dia†	

To order body with alternative cable gland add suffix to part no. e.g. PX0800/06 = PX0800 body with cable gland to suit 6-8mm dia. cable.
†Includes additional black gland cage for 3.5-5mm dia. cable range.

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