



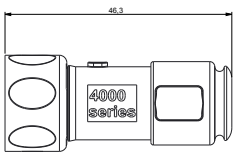
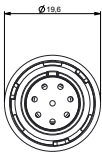
- ⬡ Sealed to IP68 when mated
- ⬡ IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- ⬡ 2, 3, 4, 6, 8, 10 & 12 Contact configuration
- ⬡ Power ratings up to 13A, 600V
- ⬡ Cable range from 3 to 7mm
- ⬡ Diameter over coupling ring 19.8mm
- ⬡ Flex, Inline, Rear Panel and PCB mounting body styles
- ⬡ Colour coded O-rings & washers for easy identification purposes
- ⬡ Plug and Socket versions in all body styles
- ⬡ Flame Retardant moulding material - Polybutylene Terephthalate/Polycarbonate (PBT/PC) UL94-V0
- ⬡ Contacts supplied separately (except PCB versions)
- ⬡ Sealing caps available to maintain IP68 rating
- ⬡ Crimp and solder contacts
- ⬡ UL, cUL and VDE approvals
- ⬡ EN60068-2-64 Vibration Resistance

Flex Cable Connector



PXP4010

- Mates with Inline or Panel mounting versions PXP4011, PXP4013
- Plug or socket
- 2, 3, 4, 6, 8, 10 & 12 Contacts
- ¼ turn locking ring
- Contacts supplied separately

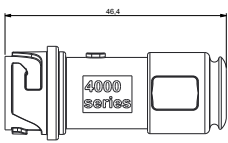


Inline Cable Connector

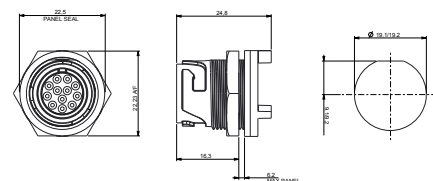


PXP4011

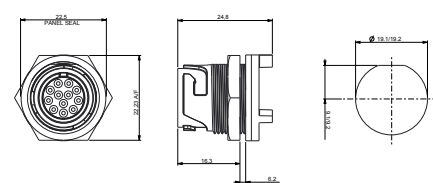
- Mates with Flex Cable connector PXP4010
- Plug or socket
- 2, 3, 4, 6, 8, 10 & 12 Contacts
- For Inline cable connection
- Contacts supplied separately



- ⬡ Mates with Flex Cable connector PXP4010
- ⬡ Plug or socket
- ⬡ Single hole fixing
- ⬡ Contacts supplied separately
- ⬡ 2, 3, 4, 6, 8, 10 & 12 Contacts



- Mates with Flex Cable connector PXP4010
- Plug or socket
- PCB Rear Panel mounting
- Straight PC spills
- Supplied with pre-loaded gold plated contacts
- 2, 3, 4, 6, 8, 10 & 12 Contacts



- Maintains IP68 sealed rating of unmated connectors

Part no.	Description
PXP4081	Sealing cap for use with PXP4010 & PXP4040
PXP4082	Sealing cap for use with PXP4011
PXP4083	Sealing cap for use with PXP4013 & PXP4043

Part no.	Description
PXP4088/0305	Pack of 4 pairs cable glands and collets to suit cables from 3.0 to 5.0mm diameter.
PXP4088/0507	Pack of 4 pairs cable glands and collets to suit cables from 5.0 to 7.0mm diameter.

Part no.	Description
PXP4089/YL	Yellow coloured O-ring and washer pack
PXP4089/BL	Blue coloured O-ring and washer pack
PXP4089/RD	Red coloured O-ring and washer pack
PXP4089/WH	White coloured O-ring and washer pack
PXP4089/GN	Green coloured O-ring and washer pack

Crimp Contacts

Contacts	Current Rating	Plug Part No.	Socket Part No.	Pack Qty	Cable Acceptance (dia)
2, 3	13A /*10A	SA3350	SA3349	10	16 - 18 AWG
4, 6, 8	8A /*5A	SA3348	SA3347	10	18 - 20 AWG
10, 12	3A /*3A	SA3180	SA3179	10	22 - 24 AWG

Solder Contacts

Contacts	Current Rating	Plug Part No.	Socket Part No.	Pack Qty	Cable Acceptance (dia)
2,3	13A /*10A	SA3350/1	SA3349/1	10	16 - 18 AWG
4, 6, 8	8A /*5A	SA3348/1	SA3347/1	10	18 - 20 AWG
10, 12	3A /*3A	SA3180/1	SA3179/1	10	22 - 24 AWG

Insertion / Extraction

	Contacts	Contact Rating	Colour	Part No
Insertion/Extraction Tool	2, 3	13A /*10A	Blue	13027/2
Insertion/Extraction Tool	4, 6, 8	8A /*5A	Red	13027/1
Insertion/Extraction Tool	10, 12	3A /*3A	Green	13027

Crimp tools

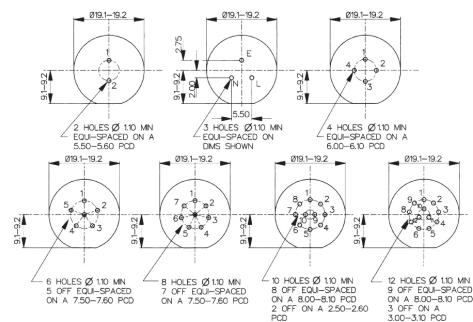
	Contacts	Contact Rating	Colour	Part No
Positioner	2, 3	13A /*10A	Orange	14025/1618
Positioner	4, 6, 8	8A /*5A	Grey	14025/1820
Positioner	10, 12	3A /*3A	Yellow	14025/2224
8 Indent Crimp Tool for use with positioners				14025

*Current rating for CSA standards

PXP4013 PCB Contact Layout

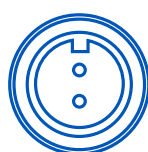
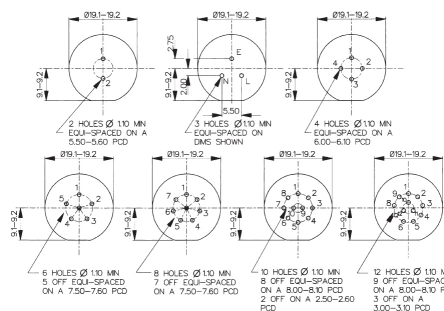
Sockets

Contact numbers viewed from rear of panel



Plugs

Contact numbers viewed from rear of panel



2 Contacts
(13 Amp)



3 Contacts
(13 Amp)



4 Contacts
(8 Amp)



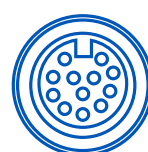
6 Contacts
(8 Amp)



8 Contacts
(8 Amp)



10 Contacts
(3 Amp)



12 Contacts
(3 Amp)

Electrical:

No. Contacts:	2 & 3	4, 6 & 8	10 & 12
Current Rating UL / VDE:	13A	8A	3A
Current Rating CSA:	10A	5A	3A
Voltage Rating:	600V AC/DC	320V AC/DC	160V AC/DC
Contact Resistance:	<5mΩ		
Insulation Resistance:	>10 ⁶ MΩ (@ 500V DC)		
AC Breakdown voltage:	2.5kV		
Cycles:	>1000		

Operating Temperature:
 Flex and panel types -40°C to +120°C

Approvals:

 UL (Underwriters Laboratory) (including cUL)
 VDE (Verband der Elektrotechnik)

Material:

Flex and panel types:
 Body Mouldings: Polybutylene Terephthalate/
 Polycarbonate (PBT/PC)

Flammability Rating: UL94V-0
 UV Resistance: To EN 50021:1999

Contacts: Copper alloy, Gold plated

O Rings: Silicone

Panel Sealing O Ring: Silicone

 Compliant

Mechanical:

Sealing: IP68 to En60529:1992+A2:2013 (10m depth for 2 weeks)

Vibration: BS EN 60068-2-64:2008 Test Fh
 BS EN 60068-2-27:2009 Test Ea

Cable Acceptance: 3.0 - 7.0mm

Contact Accommodation: 2 & 3 Contacts, 16 - 18 AWG
 4, 6 & 8 Contacts, *18 - 20 AWG
 10 & 12 Contacts, 22 - 24 AWG
 *Solid Core Wire Only

Termination: Crimp, solder and PCB

Insertion/Withdrawal Force:
 No. Contacts: 2 & 3 4, 6, 8 10 & 12
 Insertion Force (typ): 25N 28N 32N
 Withdrawal Force (typ): 12N 15N 18N

Panel mount (PXP4013)
 Front fixing nut: 1.0-1.1Nm (9lbf.in.)

Cable Retention force:
 3.0mm dia 60N
 4.0 to 7.0mm dia 80N

Panel thread PXP4013: 18.97x26TPI Whitworth form to BS84 med fit

Dimensions:

Overall dimensions of connectors when mated together

Flex + Inline 80mm
 Dia. over coupling ring 19.7mm

PXP40XX	/	XX	X	/	XXXX
Body Styles PXP4010 = Flex PXP4011 = Inline PXP4013 = Rear panel/PCB mounting		Number of Contacts 02 03 04 06 08 10 12	Contact Type P = Plug, S = Socket		For PXP4010 and PXP4011 cable connectors - Cable Entry Size: 3035 = 3.0 - 3.5mm (Light Grey) 3540 = 3.5 - 4.0mm (Grey) 4045 = 4.0 - 4.5mm (Green) 4550 = 4.5 - 5.0mm (Red) 5055 = 5.0 - 5.5mm (Yellow) 5560 = 5.5 - 6.0mm (Blue) 6065 = 6.0 - 6.5mm (White) 6570 = 6.5 - 7.0mm (Black) Cable gland and collet supplied in colour coded pairs. For PXP4013 PCB/Rear Panel Mount: PC = Pre-loaded PC Plugs Blank = no Plugs supplied
Examples: PXP4010/03S/4045 = Flex cable connector, 3 socket contacts with gland and collet for cables between 4.0 and 4.5mm diameter (supplied less contacts). PXP4013/08P = Rear panel mounting connector, for 8 Plug contacts (supplied less contacts). PXP4013/03P/PC = Rear panel/PCB connector, 3 Plug contacts, PCB mounting (supplied with contacts loaded).					