Standard Series Buccaneer

Tried and tested, the Standard Buccaneer is one of our most popular waterproof connectors in the industry today. IP68 and IP69K rated, these environmentally sealed power connectors have been designed into a wide range of markets such as Industrial, Automotive and Marine, setting the gold standard for dust and waterproof circular connectors.

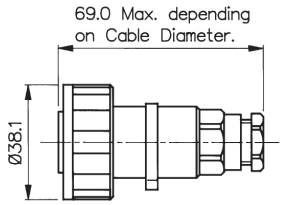
- Flex Cable Connectors
- Water and dustproof to IP68 when mated with compatible connector
- 2, 3, 4, 6, 7, 9, 12, 25 Pole with leading Earth contact on 3 Pole Socket versions
- Screw, Crimp, Crimp/Solder Terminations depending on part code and number of Poles
- PX0734 Sealing Cap available separately to maintain IP rating of unmated connectors
- Mate with PX07 Series In-Line Fle and Panel Mount Connectors
- Plug or Socket
- Screw contacts supplied fitted, Crimp contacts supplied loose (Crimp/Solder contacts and fitting tools available separately)
- Choice of cable acceptance 3.5mm-9mm diameter depending on part code (see data for details)
- Cable Support accessory 12237 available separately to provide extra support for smaller cables (5mm-9mm diameter)
- Colour choices and colour codes: Blue (BL), Green (GN), Grey (GY), Light Grey (LG), Red (RD), White (WH), Yellow (YL), Black (standard colour, no suffix code)

Standard Series Buccaneer

Flex Cable Connector

PX0731

- Mates with In-Line Flex or Panel Mounting Versions
- Screw Locking Ring
- Leading Earth on 3 Pole Connectors
- Standard Cable Acceptance (2 to 9 pole) 6-8mm, 3.5-9mm with Alternative Glands with Alternative Glands

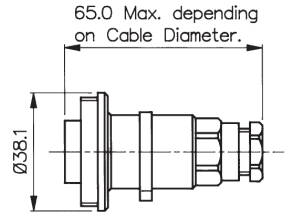


Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0736/P	PX0736/S	02	Screw	Supplied Fitted
PX0731/P	PX0731/S	03	Screw	Supplied Fitted
PX0776/P	PX0776/S	03	Crimp	Supplied Loose
PX0748/P	PX0748/S	04	Screw	Supplied Fitted
PX0739/P	PX0739/S	06	Screw	Supplied Fitted
PX0745/P	PX0745/S	07	Screw	Supplied Fitted
PX0728/P	PX0728/S	09	Crimp	Supplied Loose
PX0794/P	PX0794/S	12	Crimp / Solder	Order Separately
PX0820/P	PX0820/S	25	Crimp / Solder	Order Separately

Inline Flex Cable Connector

PX0732

- Mates with Flex or Panel Mounting Versions
- Screw Locking Ring
- Leading Earth on 3 Pole Connectors
- Standard Cable Acceptance (2 to 9 Pole) 6-8mm, 3.5-9mm with Alternative Glands



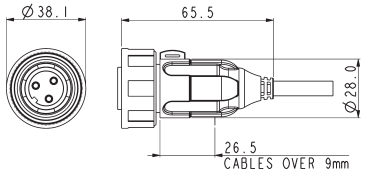
Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0737/P	PX0737/S	02	Screw	Supplied Fitted
PX0732/P	PX0732/S	03	Screw	Supplied Fitted
PX0778/P	PX0778/S	03	Crimp	Supplied Loose
PX0749/P	PX0749/S	04	Screw	Supplied Fitted
PX0740/P	PX0740/S	06	Screw	Supplied Fitted
PX0746/P	PX0746/S	07	Screw	Supplied Fitted
PX0729/P	PX0729/S	09	Crimp	Supplied Loose
PX0795/P	PX0795/S	12	Crimp / Solder	Order Separately
PX0821/P	PX0821/S	25	Crimp / Solder	Order Separately

Standard Series Buccaneer

Pre Wired Flex Cable Connector

PX0700

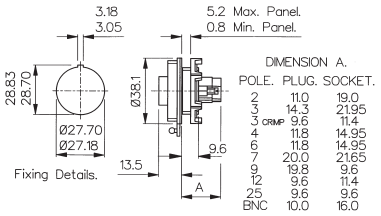
- Overmoulded Cable Assemblies
- Up to 14mm Dia Cable with PVC or PU Jackets
- PX0700 Flex Cable Connector
- Mates with In-Line Flex Connector & all Panel Connectors



Front Panel Mounting Connector

PX0730/P

- Mates with Flex Cable Connector
- Front Panel Mounting
- Single Hole Fixing
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12 & 25

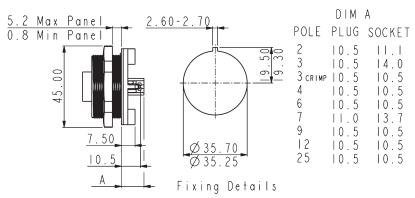


Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0735/P	PX0735/S	02	Screw	Supplied Fitted
PX0730/P	PX0730/S	03	Screw	Supplied Fitted
PX0779/P	PX0779/S	03	Crimp	Supplied Loose
PX0747/P	PX0747/S	04	Screw	Supplied Fitted
PX0738/P	PX0738/S	06	Screw	Supplied Fitted
PX0744/P	PX0744/S	07	Screw	Supplied Fitted
PX0727/P	PX0727/S	09	Crimp	Supplied Loose
PX0796/P	PX0796/S	12	Crimp / Solder	Order Separately
PX0822/P	PX0822/S	25	Crimp / Solder	Order Separately

Rear Panel Mounting Connector

PX0709/x/xx

- Mates with Flex Cable Connector
- Front Panel Mounting
- Single Hole Fixing
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12 & 25



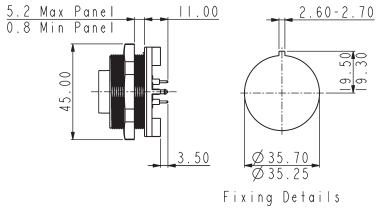
Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0709/P/02	PX0709/S/02	02	Screw	Supplied Fitted
PX0709/P/03	PX0709/S/03	03	Screw	Supplied Fitted
PX0708/P/03	PX0708/S/03	03	Crimp	Supplied Loose
PX0709/P/04	PX0709/S/04	04	Screw	Supplied Fitted
PX0709/P/06	PX0709/S/06	06	Screw	Supplied Fitted
PX0709/P/07	PX0709/S/07	07	Screw	Supplied Fitted
PX0708/P/09	PX0708/S/09	09	Crimp	Supplied Loose
PX0708/P/12	PX0708/S/12	12	Crimp / Solder	Order Separately
PX0708/P/25	PX0708/S/25	25	Crimp / Solder	Order Separately

Standard Series Buccaneer

PCB Mounting Connector

PX0707/P/12

- Mates with Flex Cable Connector
- Rear Panel Mounting
- No. Poles: 3, 4, 6, 9, 12 or 25
- Pin or Socket Versions
- Pre-loaded Gold Plated Contacts

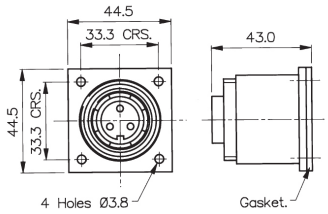


Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0707/P/03	PX0707/S/03	03	PCB	Supplied Fitted
PX0707/P/04	PX0707/S/04	04	PCB	Supplied Fitted
PX0707/P/06	PX0707/S/06	06	PCB	Supplied Fitted
PX0707/P/09	PX0707/S/09	09	PCB	Supplied Fitted
PX0707/P/12	PX0707/S/12	12	PCB	Supplied Fitted
PX0707/P/25	PX0707/S/25	25	PCB	Supplied Fitted

Bulkhead Flange Mounting Connector

PX0756/S

- Mates with Flex Cable Connector
- Rear Panel Mounting
- No. Poles: 3, 4, 6, 9, 12 or 25
- Pin or Socket Versions
- Pre-loaded Gold Plated Contacts



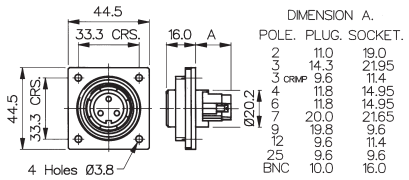
Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0757/P	PX0757/S	02	Screw	Supplied Fitted
PX0756/P	PX0756/S	03	Screw	Supplied Fitted
PX0787/P	PX0787/S	03	Crimp	Supplied Loose
PX0761/P	PX0761/S	04	Screw	Supplied Fitted
PX0758/P	PX0758/S	06	Screw	Supplied Fitted
PX0760/P	PX0760/S	07	Screw	Supplied Fitted
PX0762/P	PX0762/S	09	Crimp	Supplied Loose
PX0798/P	PX0798/S	12	Crimp/Solder	Order Separately
PX0823/P	PX0823/S	25	Crimp/Solder	Order Separately

Standard Series Buccaneer

Low Profile Flange Mounting Connector

PX0765/S

- Screw Flange Fixing
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12 & 25
- Mates with Flex Cable Connector
- Supplied with Sealing Gasket & Screw Sealing Grommets



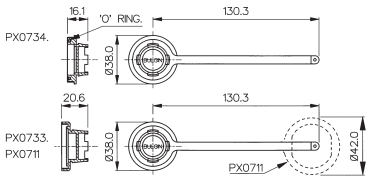
Pin Contacts	Socket Contacts	Pole Count	Termination	Contacts
PX0764/P	PX0764/S	02	Screw	Supplied Fitted
PX0765/P	PX0765/S	03	Screw	Supplied Fitted
PX0781/P	PX0781/S	03	Crimp	Supplied Loose
PX0766/P	PX0766/S	04	Screw	Supplied Fitted
PX0767/P	PX0767/S	06	Screw	Supplied Fitted
PX0768/P	PX0768/S	07	Screw	Supplied Fitted
PX0769/P	PX0769/S	09	Crimp	Supplied Loose
PX0797/P	PX0797/S	12	Crimp/Solder	Order Separately
PX0824/P	PX0824/S	25	Crimp/Solder	Order Separately

Standard Series Buccaneer

Sealing Cap and Assembling Tool

PX0734
PX0733

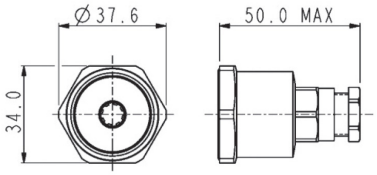
- Maintains IP68 Rating of Unmated Panel, Bulkhead & Flange Mount Connectors
- PX0734 for Flex Cable Connector
- PX0733 for In-line Flex Front
- PX0711 for PCB & Rear Panel Mount Connectors



Rear of Panel Back Shell

PX0799

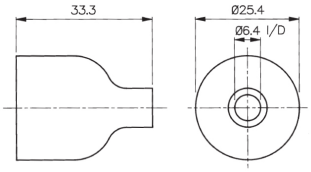
- Environmental Seal for Panel Rear
- Standard Cable Acceptance 6-8mm, 3.5 to 9mm with Alternative Glands
- For Front Panel Mounting Connectors
- Replaces Mounting Nut in Panel Connector



PVC Insulation Boot

PNo. 12855

12855 for panel mounting types only.

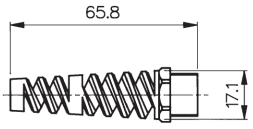


Cable Support Accessory

PNo. 12237

- Gives Extra Support to the Cable
- Suitable for 5-7mm and 7-9mm Cable Diameters

12237 provides additional cable support. Suitable for 5-7mm and 7-9mm cables.

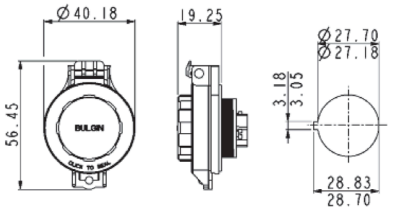


Standard Series Buccaneer

Spring Loaded Sealing Cap

PX0713

- IP54 rated
- Spring loaded
- Clip shut to seal
- For use with front of panel mounting connector types



Coloured Contact Inserts

PX0941

- With or Without Matching Gland Nut
- Positive Visual Identification
- Available In:

  Black, Blue, Green, Grey,
  Light Grey, Red, White & Yellow

Part No.	Suffix Colour
Blank	Black
BL	Blue
GN	Green
GY	Grey
LG	Light Grey
RD	Red
WH	White
YL	Yellow

Insert / Gland Nut Combinations

1 = Insert and Gland Nut Coloured

2 = Insert Only Coloured

Example:

PX0731/P/YL1 = Yellow Insert and Gland Nut

Standard Series Buccaneer

Contacts for 12 & 25 Pole Inserts

12 & 25 Way Contacts

- Crimp or Solder Pins & Sockets
- Gold Plated
- Current Ratings:

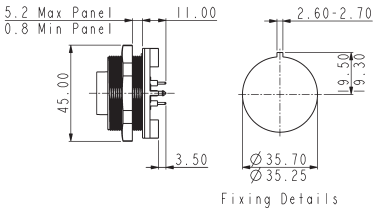
  12 Way: 5A, 50V
  25 Way: 1A, 50V

Part No.		Description
Crimp:	**Solder:**	**Contacts (25 Pole) / Supplied In Packs of 10:**
SA3180	SA3180/1	Pins
SA3179	SA 3179/1	Sockets
		Contacts (12 Pole) / (Supplied In Packs of 10:
SA3348	SA3348/1	Pins
SA3347	SA3347/1	Sockets

Assembly Tools

14025
13027

- Crimp Tools for 3, 9, 12 & 25 Pole Crimp Contacts
- Insertion / Extraction Tool for 25 Pole Contacts



Part No.	Description
14232	Crimp Tool (3 pole)
13826	Crimp Tool (9 pole)
14025	Crimp Tool (12 pole)
14025/1AMP	Crimp Tool (25 pole)
14232/1	Positioner (3 pole)
14025/5AMP	Positioner (12 pole)
13027/3	Insertion / Extraction Tool (3 Pole)
13027/1	Insertion / Extraction Tool (12 Pole)
13027	Insertion / Extraction Tool (25 Pole)

Standard Series Buccaneer

Cable Glands

SA3253

⬡ Pack of Alternative Cable Glands to Suit Cables from 3.5 to 9mm Dia.

Cable Acceptance - Alternatives

Gland Diameter:	Gland Part:	Gland Colour:	Additional Suffix:
6-8mm	12023	Black	Standard for 2-12 Pole
3.5-5mm	SA3426	Grey	Suffix /04†
5-7mm 7-9mm	12023/1 12023/2	White Yellow	Suffix /05 Suffix /07*
Gland Pack	SA3253	Pack of 3 Glands to Suit Cables 3.5-5mm, 5-7mm & 7-9mm dia†	

Cable Acceptance - Standard As Supplied

No. Contacts:	Cable Diameter or Type:
2-12 Pole	6-8mm
25 Pole	7-9mm

Note:

7-9mm Gland Standard for 25 Way, No Suffix Required.

† Includes Additional Black Gland Cage for 3.5-5mm Dia. Cable Range.

To Order Connector with Alternative Cable Gland add Suffix to Part No. e.g. PX0731/P/07 = PX0731 3 Pin Connector with Cable Gland to Suit 7-9mm Dia. Cable.

Standard Series Buccaneer

Technical Overview Data

Electrical:

No. Poles:	2, 3	4	6, 7	9	12	25
Current Rating:						
VDE:	12A	10A	5A	5A	5A	1A
UL, CSA:	10A	6A	3A	5A	5A	1A
Voltage Rating (ac/dc):	277V	277V	277V	150V	50V	50V

Contact Resistance:
<10mΩ (2-9 Pole)
<5mΩ (12 Pole)
<5mΩ (25 Pole)

Insulation Resistance: $>10^4$MΩ @ 500V d.c. (2-9 Pole)

AC Breakdown voltage:
4kV Pole - Pole (2-9 Pole)
6kV Poles - Panel (Low Profile Flange and Panel Types – 2-9 Pole)
7.5kV Poles - Panel (Other Types – 2-9 Pole)

Operating Temp. Range: –20°C to +70°C

Approvals

UL	E93288 and E337507
CSA	LR80968-30
VDE	40023148

Overmoulded Cable Assemblies Approvals to Customer Requirements.

Materials:

Body Mouldings:	Glass Filled Polyamide UL94HB
Inserts (2-25 pole):	Polyamide UL94V-0
PX0707:	Polyamide UL94V-0
PX0708:	Polyamide UL94V-0
PX0709:	Polyamide UL94V-0

Overmoulded Types

Body Mouldings:	Polyurethane
Flammability Rating:	UL94V-HB

Contacts

Screw Terminal:	Brass, Nickel Plated
Crimp (9 pole):	Copper Alloy, Tin Plated
Crimp / Solder (12+25 Pole):	Copper Alloy, Gold Plated (0.1µm on Nickel)
BNC Inserts:	Brass, Nickel Plated
BNC Contacts:	Brass, Silver Plated
RoHS	Compliant

Mechanical:

Sealing:
IP69K, Tested in Accordance with DIN 40050/Part 9 IP6k9k

IP68, EN 60529:1992+A2:2013 Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m Depth for 2 Weeks.

EN 60529:1992 +A2:2013 Tested @ 9.84kg/sq.cm. (140lb/sq.in.) 100m Septh for 12 Hours.

Salt Mist: EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Cable Acceptance

2-12 Pole - Standard Gland:	6-8mm Dia
2-12 Pole - Alternative Glands:	3.5-9mm Dia
25 Pole - Standard Gland:	7-9mm Dim
25 Pole - Alternative Glands:	3.5-7mm Dim

Contact Accommodation

2 & 3 Pole Screw Terminals:	4mm2 (12AWG) Max
3 Pole Crimp:	1.0-1.5mm2 (14-18AWG) Max
4, 6 & 7 Pole:	1.5mm2 (16AWG) Max
9 Pole:	0.12-0.21mm2 (24-26AWG)
12 Pole:	0.32mm2 (22-26AWG) Max
25 Pole:	0.12-0.21mm2 (24-26AWG)

Terminations

2-7 Pole:	Screw Terminals
3 Pole:	Screw Terminals & Crimp
9 Pole:	Crimp Contacts
12 Pole:	Crimp & Solder Contacts
25 Pole:	Crimp & Solder Contacts

Tightening Torques:	Gland Nut: 1.13Nm (10lbf.in.)
Flex Mounting / In-Line:	Rear Fixing Nut: 1.7Nm (15lbf.in.)
Panel Mounting:	Front Fixing Nut: 1.4Nm (12.4lbf.in.)
Surface / Bulkhead and Low Profile Flange Mounting:	4 Fixing Screws (using Washers Supplied) 0.34Nm (3lbf.in.)
Sealings Caps / Locking Ring:	1.13Nm (10lbf.in.)
Rear Thread, Front Panel Connector:	M27 x 1.0-6H
Thread, Front Panel Connector:	M35 x 1.0-6H

Standard Series Buccaneer

PX0xxx	/	X	/	XX	/	XX	/	X

Body Styles

Contacts Type

P = Pin

S = Socket

Cable Acceptance or PCB / Rear Panel Mounting

Flex Cable and In-line Flex Connectors cable acceptance use:

Blank = 6-8mm (Black) standard for 2-12 pole

04 = 3.5-5mm (Grey)
05 = 5-7mm (White)
07 = 7-9mm (Yellow)
(standard for 25 way, no suffix required)

PCB (PX0707) and Rear Panel Mount connectors (PX0708 and PX0709) use:

02 = 2 pole
03 = 3 pole
04 = 4 pole
06 = 6 pole
07 = 7 pole
09 = 9 pole
12 = 12 pole
25 = 25 pole

Front Panel, Bulkhead and Flange Mount - not required:

Insert / Gland Nut Colour

Blank = Black

BL = Blue

GN = Green

GY = Grey

LG = Light Grey

RD = Red

WH = White

YL = Yellow

Insert / Gland Nut Colour Combination

1 = Insert and Gland Nut Coloured

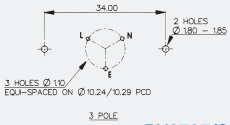
2 = Insert only Coloured

Example:

PX0707/P/06 = PCB Panel connector, pin contacts, 6 pole
PX0731/S = Flex Cable connector, socket contacts, 3 pole
PX0732/P/07/BL2 = In-Line Flex Cable connector, pin contacts, 3 pole, 7-9mm cable acceptance, blue insert

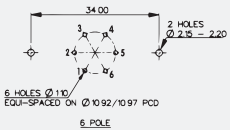
PCB Layouts:

Sockets:
Contact Nos viewed from rear of panel

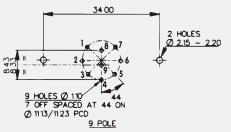


PX0707/S/03

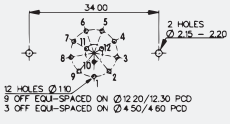
PX0707/S/04



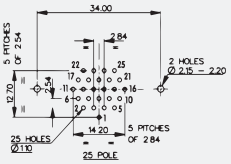
PX0707/S/06



PX0707/S/09

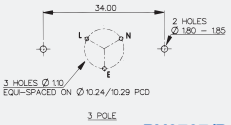


PX0707/S/12



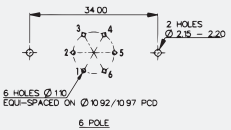
PX0707/S/25

Pins:
Contact Nos viewed from rear panel rear of panel

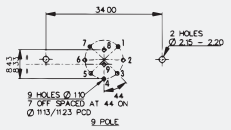


PX0707/P/03

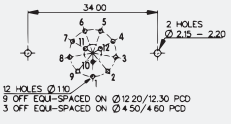
PX0707/P/04



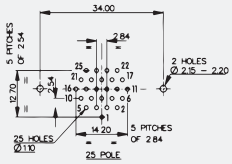
PX0707/P/06



PX0707/P/09



PX0707/P/12



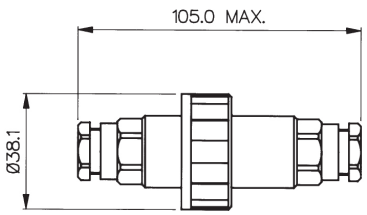
PX0707/P/25

Sealed Inline Cable Joiner

Cable Joiner

PX0777

- Standard Cable Acceptance 6-8mm
- Cable Range 3.5-9mm (Using Alternative Glands)
- Supplied with 4, 6 or 8 Way
- Terminal Block
- Available Moulded in Black or Orange



Technical Overview Data

Specifications:	PX0777	PX0777/4POLE, 6POLE, 8POLE
Rating:	16A, 250V a.c.	10A, 250V a.c.
Wire Termination:	3 Way Terminal Block	4, 6, 8 Way Terminal Block
Conductor Accommodation:	2.5mm² Max (14AWG)	1.5mm² Max (16AWG)
Cable Acceptance:	6-8mm Dia Alternative Glands available on request	6-8mm Dia Alternative Glands available on request
Material:	Glass Filled Polyamide UL94-HB	Glass Filled Polyamide UL94-V0
Sealing:	IP68 to BSEN 60529 : 1992 1.054kg/sq.cm. (15lbs/sq.in.) 10m Depth for 2 Weeks	IP68 to BSEN 60529 : 1992 1.054kg/sq.cm. (15lbs/sq.in.) 10m Depth for 2 Weeks
	IP69k to DIN 40050-9	IP69k to DIN 40050-9
Salt Mist:	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
Operating Temp. Range:	–20°C to +70°C	–20°C to +70°C
Colour:	Black Orange (Add /OR to PNo.)	Black Orange (Add /OR to PNo.)
RoHS	Compliant	Compliant

POLE Configurations:

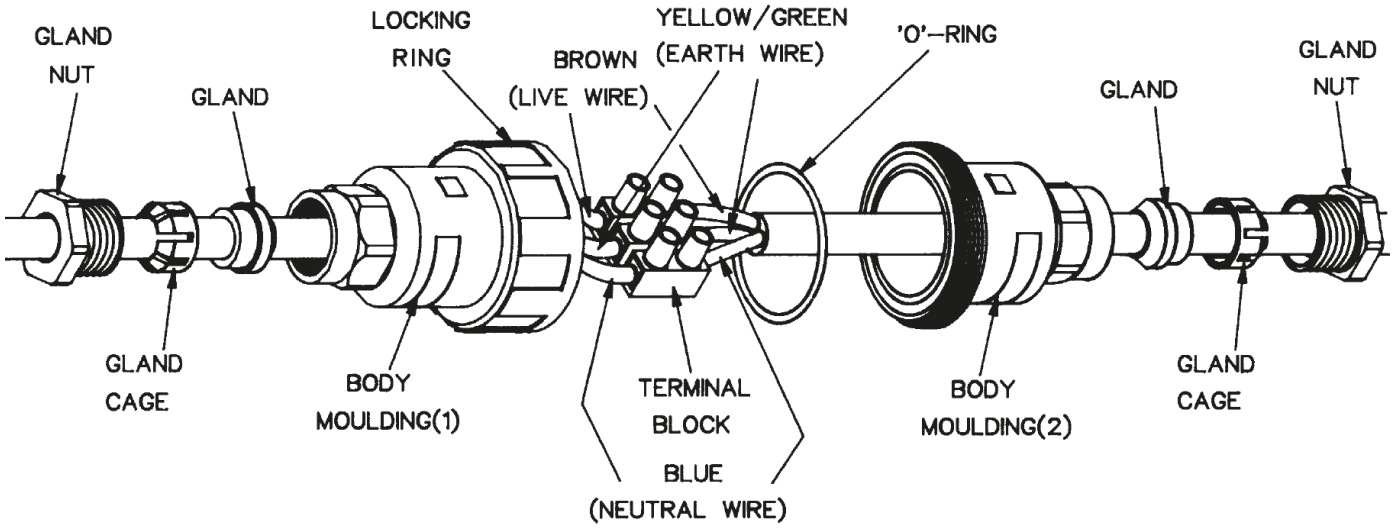
PX0777 /	XPOLE /	XX /	XX
Part No.	**Blank** = 3 Pole	**Blank** = 6-8mm	**Blank** = Black
	4POLE = 4 Pole	**04** = 3.5-5mm	**OR** = Orange
	6POLE = 6 Pole	**05** = 5-7mm	
	8POLE = 8 Pole	**07** = 7-9mm	

Example:

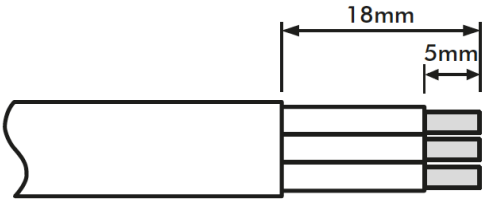
PX0777 = 3 Pole 6-8mm Black
PX0777/04 = 3 Pole 3.5-5.0mm Black
PX0777/04/OR = 3 Pole 3.5-5.0mm Orange

PX0777/4POLE = 4 Pole 6-8mm Black
PX0777/6POLE/04 = 6 Pole 3.5-5.0mm Black
PX0777/8POLE/04/OR = 8 Pole 3.5-5.0mm Orange

PX0777 Wiring & Assembly Instructions



1. Strip wires to dimensions shown.



Wire Stripping Details

2. Assemble components parts onto cable as shown, then connect wires to terminal block.

ENSURING WIRES CONNECTED INTO ONE SIDE OF TERMINAL BLOCK MATCH WIRES CONNECTED INTO THE OTHER SIDE.

E.g. Brown to Brown (Live)
Blue to Blue (Neutral)
Green / Yellow to Green / Yellow (Earth)

3. Bring the two body mouldings together ensuring the 'O' ring is correctly located in groove then lock together with locking ring, ensure ring is fully tightened.

Put gland cage over gland and push fully home into its appropriate body then fully tighten gland nuts.

4. To ensure a good seal, all surfaces must be completely free of dust, grease or any other contamination.

THIS CABLE CONNECTOR IS SUITABLE FOR USE WITH LOADS NOT EXCEEDING 16 AMPS USING 1.5mm2 CABLE

ALWAYS USE WITH SUPPLY PROTECTED BY AN RCD, IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.

DANGER

DISCONNECT MAINS SUPPLY BEFORE DISMANTLING CONNECTOR

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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