



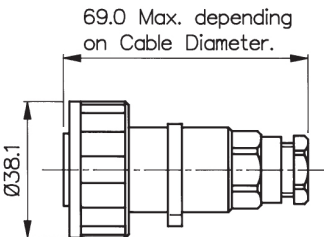
- ⬢ IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks and 9.84kg/sq cm (140lb/sq in) 100m depth for 12 hours
- ⬢ IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- ⬢ Water and dustproof to IP68 when mated
- ⬢ 2, 3, 4, 6, 7, 9, 12 and 25 Contact
- ⬢ 12A, 277V AC/DC 2 Contact screw terminal, 3 Contact screw terminal and crimp contacts
- ⬢ 10A, 277V AC/DC 4 Contact screw terminal
- ⬢ 5A, 277V AC/DC 6 and 7 Contact screw terminal
- ⬢ 5A, 150V AC/DC 9 Contact crimp contacts
- ⬢ 5A, 50V AC/DC 12 Contact crimp and solder contacts
- ⬢ 1A, 50V AC/DC 25 Contact crimp and solder contacts
- ⬢ Plug or socket connection in each body style
- ⬢ Compact design
- ⬢ Diameter over coupling ring 38mm
- ⬢ Sealing caps available to maintain IP68 rating of unmated connectors
- ⬢ 7 body styles - flex cable, inline cable, panel mount (front), panel mount (rear), PCB mount, bulkhead and flange mount
- ⬢ Leading earth contact for 3 Contact socket version
- ⬢ Positive locating keyways - cannot be mis-connected
- ⬢ Easy assembly - no special tools required on screw terminal versions
- ⬢ Cable range from 3.5mm - 9mm
- ⬢ Colour coded identification variants
- ⬢ Pre-wired, overmoulded cable assemblies
- ⬢ VDE and cULus approvals
- ⬢ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Flex Cable Connector



PX0731/P

- Mates with Inline or Panel Mounting Versions
- Screw Locking Ring
- Plug or Socket Versions
- Leading Earth on 3 Contact connectors
- Contacts 2, 3, 4, 6, 7, 9, 12, 25
- Standard Cable Acceptance (2 to 9 Contact) 6-8mm, 3.5-9mm with alternative glands - See page 25



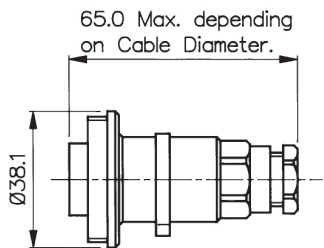
| Contacts | Termination  | Plug Contacts | Socket Contact | Contacts                         |
|----------|--------------|---------------|----------------|----------------------------------|
| 2        | Screw        | PX0736/P      | PX0736/S       | Supplied Fitted                  |
| 3        | Screw        | PX0731/P      | PX0731/S       | Supplied Fitted                  |
| 3        | Crimp        | PX0776/P      | PX0776/S       | Supplied Loose                   |
| 4        | Screw        | PX0748/P      | PX0748/S       | Supplied Fitted                  |
| 6        | Screw        | PX0739/P      | PX0739/S       | Supplied Fitted                  |
| 7        | Screw        | PX0745/P      | PX0745/S       | Supplied Fitted                  |
| 9        | Crimp        | PX0728/P      | PX0728/S       | Supplied Loose                   |
| 12       | Crimp/Solder | PX0794/P      | PX0794/S       | Order Separately (SA3348/SA3347) |
| 25       | Crimp/Solder | PX0820/P      | PX0820/S       | Order Separately (SA3180/SA3179) |

Inline Cable Connector



PX0732/S

- Mates with Flex or Panel Mounting Versions
- Screw Locking Ring
- Plug or Socket Versions
- Leading Earth on 3 Contact connectors
- Contacts 2, 3, 4, 6, 7, 9, 12, 25
- Standard Cable Acceptance (2 to 9 Contact) 6-8mm, 3.5-9mm with alternative glands - See page 25



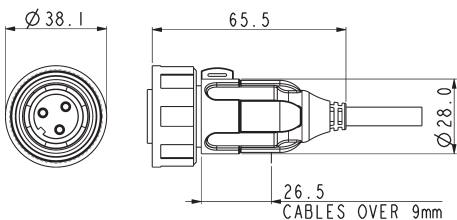
| Contacts | Termination  | Plug Contacts | Socket Contact | Contacts                         |
|----------|--------------|---------------|----------------|----------------------------------|
| 2        | Screw        | PX0737/P      | PX0737/S       | Supplied Fitted                  |
| 3        | Screw        | PX0732/P      | PX0732/S       | Supplied Fitted                  |
| 3        | Crimp        | PX0778/P      | PX0778/S       | Supplied Loose                   |
| 4        | Screw        | PX0749/P      | PX0749/S       | Supplied Fitted                  |
| 6        | Screw        | PX0740/P      | PX0740/S       | Supplied Fitted                  |
| 7        | Screw        | PX0746/P      | PX0746/S       | Supplied Fitted                  |
| 9        | Crimp        | PX0729/P      | PX0729/S       | Supplied Loose                   |
| 12       | Crimp/Solder | PX0795/P      | PX0795/S       | Order Separately (SA3348/SA3347) |
| 25       | Crimp/Solder | PX0821/P      | PX0821/S       | Order Separately (SA3180/SA3179) |

Pre Wired Flex Cable Connector



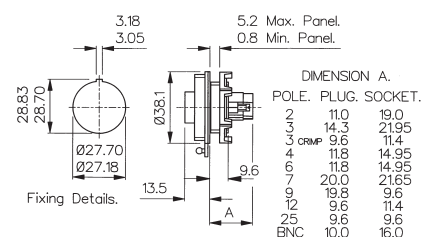
PX0700

- Overmoulded cable assemblies
- Up to 14mm dia cable with PVC or PU jackets
- Mates with Inline connector and all panel connectors





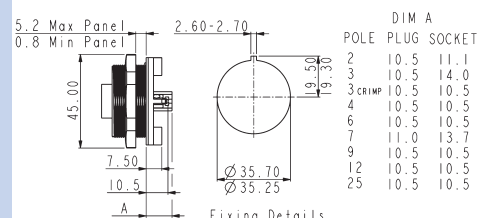
- ⬡ Mates with Flex Cable Connector
- ⬡ Single Hole Fixing
- ⬡ Plug or Socket Versions
- ⬡ Contacts 2, 3, 4, 6, 7, 9, 12, 25



| Contacts | Termination  | Plug Contacts | Socket Contact | Contacts         |
|----------|--------------|---------------|----------------|------------------|
| 2        | Screw        | PX0735/P      | PX0735/S       | Supplied Fitted  |
| 3        | Screw        | PX0730/P      | PX0730/S       | Supplied Fitted  |
| 3        | Crimp        | PX0779/P      | PX0779/S       | Supplied Loose   |
| 4        | Screw        | PX0747/P      | PX0747/S       | Supplied Fitted  |
| 6        | Screw        | PX0738/P      | PX0738/S       | Supplied Fitted  |
| 7        | Screw        | PX0744/P      | PX0744/S       | Supplied Fitted  |
| 9        | Crimp        | PX0727/P      | PX0727/S       | Supplied Loose   |
| 12       | Crimp/Solder | PX0796/P      | PX0796/S       | Order Separately |
| 25       | Crimp/Solder | PX0822/P      | PX0822/S       | Order Separately |



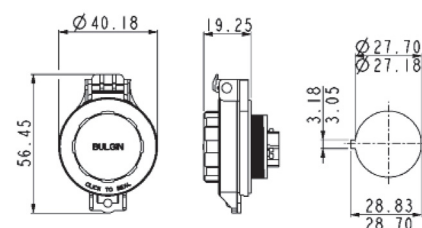
- Mates with Flex Cable Connector
- Single Hole Fixing
- Plug or Socket Versions
- Contacts 2, 3, 4, 6, 7, 9, 12 or 25



| Contacts | Termination  | Plug Contacts | Socket Contact | Contacts                         |
|----------|--------------|---------------|----------------|----------------------------------|
| 2        | Screw        | PX0709/P/02   | PX0709/S/02    | Supplied Fitted                  |
| 3        | Screw        | PX0709/P/03   | PX0709/S/03    | Supplied Fitted                  |
| 3        | Crimp        | PX0708/P/03   | PX0708/S/03    | Supplied Loose                   |
| 4        | Screw        | PX0709/P/04   | PX0709/S/04    | Supplied Fitted                  |
| 6        | Screw        | PX0709/P/06   | PX0709/S/06    | Supplied Fitted                  |
| 7        | Screw        | PX0709/P/07   | PX0709/S/07    | Supplied Fitted                  |
| 9        | Crimp        | PX0708/P/09   | PX0708/S/09    | Supplied Loose                   |
| 12       | Crimp/Solder | PX0708/P/12   | PX0708/S/12    | Order Separately (SA3348/SA3347) |
| 25       | Crimp/Solder | PX0708/P/25   | PX0708/S/25    | Order Separately (SA3180/SA3179) |



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

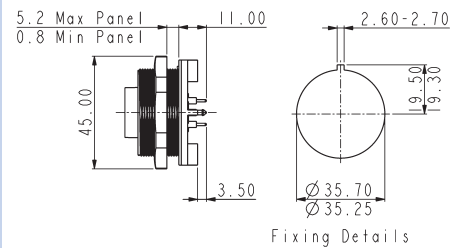


Rear PCB Mounting Connector



PX0707/P/12

- Mates with Flex Cable connector
- No. Contacts: 3, 4, 6, 9, 12 or 25
- Plug or socket versions
- Pre-loaded Gold Plated contacts



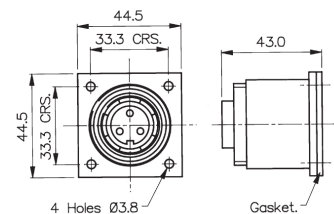
| Contacts | Termination | Plug Contacts | Socket Contact | Contacts        |
|----------|-------------|---------------|----------------|-----------------|
| 3        | PCB         | PX0707/P/03   | PX0707/S/03    | Supplied Fitted |
| 4        | PCB         | PX0707/P/04   | PX0707/S/04    | Supplied Fitted |
| 6        | PCB         | PX0707/P/06   | PX0707/S/06    | Supplied Fitted |
| 9        | PCB         | PX0707/P/09   | PX0707/S/09    | Supplied Fitted |
| 12       | PCB         | PX0707/P/12   | PX0707/S/12    | Supplied Fitted |
| 25       | PCB         | PX0707/P/25   | PX0707/S/25    | Supplied Fitted |

Bulkhead Flange Mounting Connector



PX0756/S

- Mates with Flex Cable Connector
- Plug or Socket Versions
- Contacts 2, 3, 4, 6, 7, 9, 12, 25
- Supplied with sealing gasket and screw sealing grommets



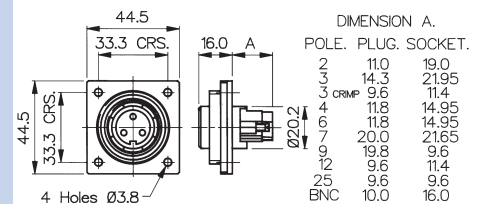
| Contacts | Termination  | Plug Contacts | Socket Contact | Contacts                         |
|----------|--------------|---------------|----------------|----------------------------------|
| 2        | Screw        | PX0757/P      | PX0757/S       | Supplied Fitted                  |
| 3        | Screw        | PX0756/P      | PX0756/S       | Supplied Fitted                  |
| 3        | Crimp        | PX0787/P      | PX0787/S       | Supplied Loose                   |
| 4        | Screw        | PX0761/P      | PX0761/S       | Supplied Fitted                  |
| 6        | Screw        | PX0758/P      | PX0758/S       | Supplied Fitted                  |
| 7        | Screw        | PX0760/P      | PX0760/S       | Supplied Fitted                  |
| 9        | Crimp        | PX0762/P      | PX0762/S       | Supplied Loose                   |
| 12       | Crimp/Solder | PX0798/P      | PX0798/S       | Order Separately (SA3348/SA3347) |
| 25       | Crimp/Solder | PX0823/P      | PX0823/S       | Order Separately (SA3180/SA3179) |

Low Profile Flange Mounting Connector



PX0765/S

- Screw Flange Fixing
- Plug or Socket Versions
- Contacts 2, 3, 4, 6, 7, 9, 12, 25
- Mates with Flex Cable Connector
- Supplied with sealing gasket and screw sealing grommets



| Contacts | Termination  | Plug Contacts | Socket Contact | Contacts                         |
|----------|--------------|---------------|----------------|----------------------------------|
| 2        | Screw        | PX0764/P      | PX0764/S       | Supplied Fitted                  |
| 3        | Screw        | PX0765/P      | PX0765/S       | Supplied Fitted                  |
| 3        | Crimp        | PX0781/P      | PX0781/S       | Supplied Loose                   |
| 4        | Screw        | PX0766/P      | PX0766/S       | Supplied Fitted                  |
| 6        | Screw        | PX0767/P      | PX0767/S       | Supplied Fitted                  |
| 7        | Screw        | PX0768/P      | PX0768/S       | Supplied Fitted                  |
| 9        | Crimp        | PX0769/P      | PX0769/S       | Supplied Loose                   |
| 12       | Crimp/Solder | PX0797/P      | PX0797/S       | Order Separately (SA3348/SA3347) |
| 25       | Crimp/Solder | PX0824/P      | PX0824/S       | Order Separately (SA3180/SA3179) |

#### Coloured Contact Inserts



Coloured Inserts

- With or without matching gland nut
- Positive visual identification
- Available in; Black, Blue, Green, Grey, Light Grey, Red, White and Yellow

#### Contact Inserts Colour Options

| 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          |

E.g. PX0731/P/YL1 = Yellow insert and gland nut

#### Contacts for 12 and 25 Contact Inserts



12 and 25 way contacts

- Crimp or Solder Plugs and Sockets
- Gold Plated
- Current ratings:  
12 way: 5A, 50V  
25 way: 1A, 50V

#### Contacts - Solder & Crimp for 12 and 25 Contact

| Contacts (for 12 Contact)<br>(Supplied in packs of 10) | Solder    | Crimp  |
|--------------------------------------------------------|-----------|--------|
| Plugs                                                  | SA3348/1  | SA3348 |
| Sockets                                                | SA3347/1  | SA3347 |
| Contacts (for 25 Contact)<br>(Supplied in packs of 10) | Solder    | Crimp  |
| Plugs                                                  | SA3180/1  | SA3180 |
| Sockets                                                | SA 3179/1 | SA3179 |

#### Assembly Tools



PNo 14025 and 13027

- Crimp Tools for 3, 9, 12 and 25 Contact crimp contacts
- Insertion/Extraction Tool for 25 Contact contacts

#### Tools

|                                        |                 |
|----------------------------------------|-----------------|
| Crimp Tool (25 Contact)                | PNo. 14025/1AMP |
| Crimp Tool (12 Contact)                | PNo. 14025      |
| Positioner (12 Contact)                | PNo. 14025/5AMP |
| Crimp Tool (9 Contact)                 | PNo. 13826      |
| Crimp Tool (3 Contact)                 | PNo. 14232      |
| 3 Contact positioner                   | PNo. 14232/1    |
| Insertion/Extraction Tool (25 Contact) | PNo. 13027      |
| Insertion/Extraction Tool (12 Contact) | PNo. 13027/1    |
| Insertion/Extraction Tool (3 Contact)  | PNo. 13027/3    |

#### Cable Glands



12023/1, 12023/2 & SA3253

- Pack of alternative cable glands to suit cables from 3.5 to 9mm dia.

#### Cable Acceptance - Alternatives

| Gland Diameter | Gland Part No. | Gland Colour                                                | Additional Suffix         |
|----------------|----------------|-------------------------------------------------------------|---------------------------|
| 6-8mm          | 12023          | Black                                                       | Standard for 2-12 Contact |
| 3.5-5mm        | SA3426         | Grey                                                        | Suffix /04†               |
| 5-7mm          | 12023/1        | White                                                       | Suffix /05                |
| 7-9mm          | 12023/2        | Yellow                                                      | Suffix /07*               |
| Gland Pack     | SA3253         | Pack of 3 glands to suit cables 3.5-5mm, 5-7mm & 7-9mm dia† |                           |

\*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 Plug connector with cable gland to suit 7-9mm dia. cable.

#### Cable Acceptance - Standard as supplied

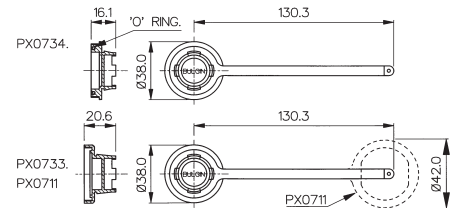
| No. Contacts | Cable Diameter or Type |
|--------------|------------------------|
| 2-12 Contact | 6-8mm                  |
| 25 Contact   | 7-9mm                  |

#### Sealing Cap and Assembling Tool



PX0734 & PX0733

- Maintains IP68 Rating of Unmated Connectors
- Can be used to remove Inserts
- PX0734 for Flex Cable Connector
- PX0733 for Inline, Front Panel, Bulkhead and Flange mount connectors
- PX0711 for PCB and Rear Panel Mount connectors

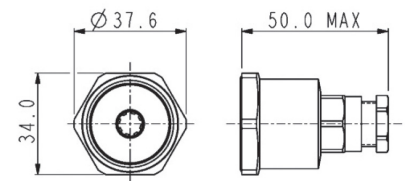


#### Rear of Panel Back Shell



PX0799

- Provides environmental seal to rear of panel
- Standard cable acceptance 6-8mm, 3.5 to 9mm with alternative glands
- For use on front panel mounting connectors
- Replaces mounting nut in panel connector

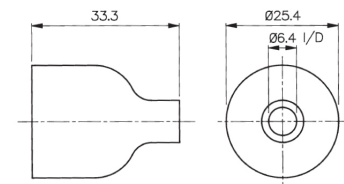


#### PVC Insulation Boot



PNo. 12855

- Shock protection for rear of connector
- Flammability Rating UL94V-0
- Fits Front Panel Mount Versions only

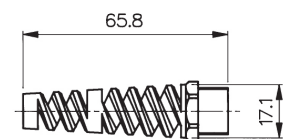


#### Cable Support Accessory



PNo. 12237

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

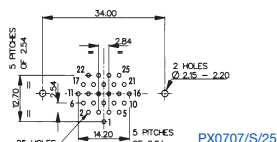
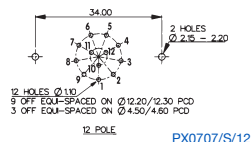
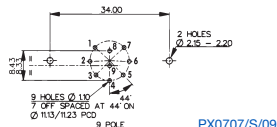
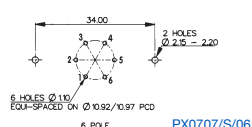
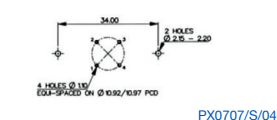
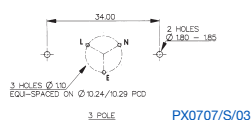


| PX07XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | X                      | XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | XX                                                                                                                                                          | X                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Body Styles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Contacts Type          | Cable Acceptance or PCB/Rear Panel Mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Insert/Gland Nut Colour                                                                                                                                     | Insert/Gland Nut Colour Combination                                                                             |
| PX0736<br>PX0731<br>PX0776<br>PX0748<br>PX0739<br>PX0745<br>PX0728<br>PX0794<br>PX0820<br>PX0737<br>PX0732<br>PX0778<br>PX0749<br>PX0740<br>PX0746<br>PX0729<br>PX0795<br>PX0821<br>PX0735<br>PX0730<br>PX0779<br>PX0747<br>PX0738<br>PX0744<br>PX0727<br>PX0796<br>PX0822<br>PX0709<br>PX0708<br>PX0707<br>PX0757<br>PX0756<br>PX0787<br>PX0761<br>PX0758<br>PX0760<br>PX0762<br>PX0798<br>PX0823<br>PX0764<br>PX0765<br>PX0781<br>PX0766<br>PX0767<br>PX0768<br>PX0769<br>PX0797<br>PX0824 | P = Plug<br>S = Socket | <b>Cable Acceptance or PCB/Rear Panel Mounting</b><br><br>Flex Cable and Inline Connectors cable acceptance use:<br>Blank = 6-8mm (Black) standard for 2-12 Contact<br><br>04 = 3.5-5mm (Grey)<br>05 = 5-7mm (White)<br>07 = 7-9mm (Yellow)<br>(standard for 25 way, no suffix required)<br><br>PCB (PX0707) and Rear Panel Mount connectors (PX0708 and PX0709) use:<br><br>02 = 2 Contact      03 = 3 Contact<br>04 = 4 Contact      06 = 6 Contact<br>07 = 7 Contact      09 = 9 Contact<br>12 = 12 Contact     25 = 25 Contact<br><br>Front Panel, Bulkhead and Flange Mount - not required: | <b>Insert/Gland Nut Colour</b><br><br>Blank = Black<br>BL = Blue<br>GN = Green<br>GY = Grey<br><br>LG = Light Grey<br>RD = Red<br>WH = White<br>YL = Yellow | <b>Insert/Gland Nut Colour Combination</b><br><br>1 = Insert and Gland Nut Coloured<br>2 = Insert only Coloured |
| <b>Examples:</b><br><br>PX0707/P/06= PCB Panel connector, Plug contacts, 6 Contact<br>PX0731/S = Flex Cable connector, socket contacts, 3 Contact<br>PX0732/P/07/BL2 = Inline Cable connector, Plug contacts, 3 Contact, 7-9mm cable acceptance, blue insert                                                                                                                                                                                                                                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             |                                                                                                                 |

## PCB Layouts

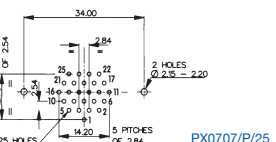
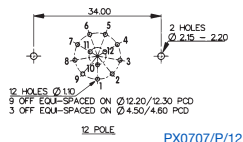
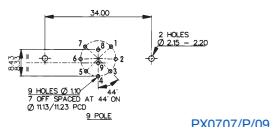
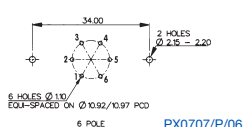
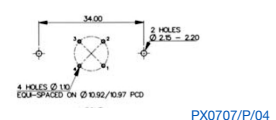
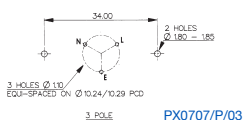
### Sockets

Contact Nos viewed from rear of panel



### Plugs

Contact Nos viewed from rear panel rear of panel



## Electrical:

|                         |                                                                                                                                                                                                                                                                                                       |      |      |      |     |     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|-----|-----|
| No. Contacts:           | 2, 3                                                                                                                                                                                                                                                                                                  | 4    | 6, 7 | 9    | 12  | 25  |
| Current Rating:         |                                                                                                                                                                                                                                                                                                       |      |      |      |     |     |
| VDE                     | 12A                                                                                                                                                                                                                                                                                                   | 10A  | 5A   | 5A   | 5A  | 1A  |
| UL                      | 12A                                                                                                                                                                                                                                                                                                   | 10A  | 5A   | 5A   | 5A  | 1A  |
| Voltage Rating (AC/DC): | 277V                                                                                                                                                                                                                                                                                                  | 277V | 277V | 150V | 50V | 50V |
| Contact Resistance:     | <10mΩ (2-9 Contact)<br><5mΩ (12 Contact)<br><5mΩ (25 Contact)                                                                                                                                                                                                                                         |      |      |      |     |     |
| Insulation Resistance:  | >10 <sup>4</sup> MΩ @ 500V DC (2-9 Contact)                                                                                                                                                                                                                                                           |      |      |      |     |     |
| AC Breakdown voltage:   | 4kV Contact - Contact (2-9 Contact)<br>6kV Contacts - Panel (Low Profile Flange and Panel Types – 2-9 Contact)<br>7.5kV Contacts - Panel (Other Types – 2-9 Contact)                                                                                                                                  |      |      |      |     |     |
| Operating Temp. Range:  | -20°C to +70°C                                                                                                                                                                                                                                                                                        |      |      |      |     |     |
| Approvals:              | <div>  UL (Underwriters Laboratory) E93288 and E337507         </div> <div>  VDE (Verband der Elektrotechnik) 40023148         </div> |      |      |      |     |     |
|                         | Overmoulded cable assemblies approvals to customer requirements.                                                                                                                                                                                                                                      |      |      |      |     |     |

## Material:

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Body Mouldings:               | Glass Filled Polyamide UL94HB               |
| Inserts (2-25 Contact):       | 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 Contact):            | Copper Alloy, Tin Plated                    |
| Crimp/Solder (12+25 Contact): | Copper Alloy, Gold Plated (0.1µm on Nickel) |
| BNC inserts:                  | Brass, Nickel Plated                        |
| BNC contacts:                 | Brass, Silver Plated                        |
| RoHS                          | Compliant                                   |

## Mechanical:

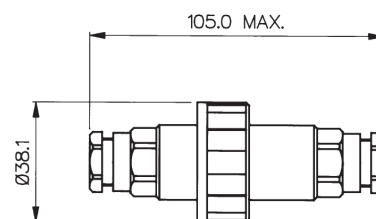
|                                                   |                                                                                                                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sealing:                                          | IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k<br><br>IP68, EN 60529:1992+A2:2013 Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m depth for 2 weeks.<br>EN 60529:1992 +A2:2013 Tested @ 9.84kg/sq.cm. (140lb/sq.in.) 100m depth for 12 hours. |
| Salt Mist:                                        | EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1                                                                                                                                                                                   |
| Cable Acceptance:                                 |                                                                                                                                                                                                                                                   |
| 2-12 Contact - standard gland:                    | 6-8mm dia                                                                                                                                                                                                                                         |
| 2-12 Contact - alternative glands:                | 3.5-9mm dia                                                                                                                                                                                                                                       |
| 25 Contact - standard gland:                      | 7-9mm dim                                                                                                                                                                                                                                         |
| 25 Contact - alternative glands:                  | 3.5-7mm dim                                                                                                                                                                                                                                       |
| Contact Accommodation:                            |                                                                                                                                                                                                                                                   |
| 2 and 3 Contact screw terminals:                  | 2.5-4mm <sup>2</sup> (12-14AWG)                                                                                                                                                                                                                   |
| 3 Contact crimp:                                  | 1-1.5mm <sup>2</sup> (16-17AWG)                                                                                                                                                                                                                   |
| 4, 6 and 7 Contact:                               | 1-1.5mm <sup>2</sup> (17-16AWG)                                                                                                                                                                                                                   |
| 9 Contact:                                        | 0.14-0.25mm <sup>2</sup> (24-26AWG)                                                                                                                                                                                                               |
| 12 Contact:                                       | 0.25-0.34mm <sup>2</sup> (22-24AWG)                                                                                                                                                                                                               |
| 25 Contact:                                       | 0.14-0.25mm <sup>2</sup> (24-26AWG)                                                                                                                                                                                                               |
| Terminations:                                     |                                                                                                                                                                                                                                                   |
| 2-7 Contact:                                      | Screw Terminals                                                                                                                                                                                                                                   |
| 3 Contact:                                        | Screw Terminals & Crimp                                                                                                                                                                                                                           |
| 9 Contact:                                        | Crimp Contacts                                                                                                                                                                                                                                    |
| 12 Contact:                                       | Crimp & Solder Contacts                                                                                                                                                                                                                           |
| 25 Contact:                                       | Crimp & Solder Contacts                                                                                                                                                                                                                           |
| Tightening Torques:                               |                                                                                                                                                                                                                                                   |
| Flex Mounting/Inline:                             | Gland Nut: 1.13Nm (10lbf.in.)                                                                                                                                                                                                                     |
| Panel Mounting:                                   | Rear Fixing Nut: 1.7Nm (15lbf.in.)<br>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                                                                                                                                                                                                                                      |

Cable Joiner



PX0777

- IP68 & IP69k Rating
- For Sealed Inline Connections
- 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



| Specifications           | PX0777                                                                              | PX0777/4POLE, 6POLE, 8POLE                                                          | POLE Configurations |
|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|
| Rating:                  | 16A, 250V AC                                                                        | 10A, 250V AC                                                                        |                     |
| Wire Termination:        | 3 way Terminal Block                                                                | 4, 6, 8 way Terminal Block                                                          |                     |
| Conductor Accommodation: | 2.5mm <sup>2</sup> max (14AWG)                                                      | 1.5mm <sup>2</sup> max (16AWG)                                                      |                     |
| Cable Acceptance:        | 6-8mm dia<br>alternative glands available on request                                | 6-8mm dia<br>alternative glands available on request                                |                     |
| Material:                | Glass Filled Polyamide UL94-HB                                                      | Glass Filled Polyamide UL94-V0                                                      |                     |
| Sealing:                 | IP68 to BSEN 60529 : 1992<br>1.054kg/sq.cm. (15lbs/sq.in.)<br>10m depth for 2 weeks | IP68 to BSEN 60529 : 1992<br>1.054kg/sq.cm. (15lbs/sq.in.)<br>10m depth for 2 weeks |                     |
| Salt Mist                | IP69k to DIN 40050-9                                                                | IP69k to DIN 40050-9                                                                |                     |
| Operating Temp. Range:   | EN60068-2-52 Test Kb Salt Mist (Cyclic)<br>Marine Severity Level 1                  | EN60068-2-52 Test Kb Salt Mist (Cyclic)<br>Marine Severity Level 1                  |                     |
| Colour:                  | -20°C to +70°C                                                                      | -20°C to +70°C                                                                      |                     |
|                          | Black<br>Orange (Add /OR to PNo.)                                                   | Black<br>Orange (Add /OR to PNo.)                                                   |                     |
|                          | Compliant                                                                           | Compliant                                                                           |                     |

#### Examples

**PX0777** – 3 Contact 6-8mm Black.

**PX0777/04** – 3 Contact 3.5-5.0mm Black.

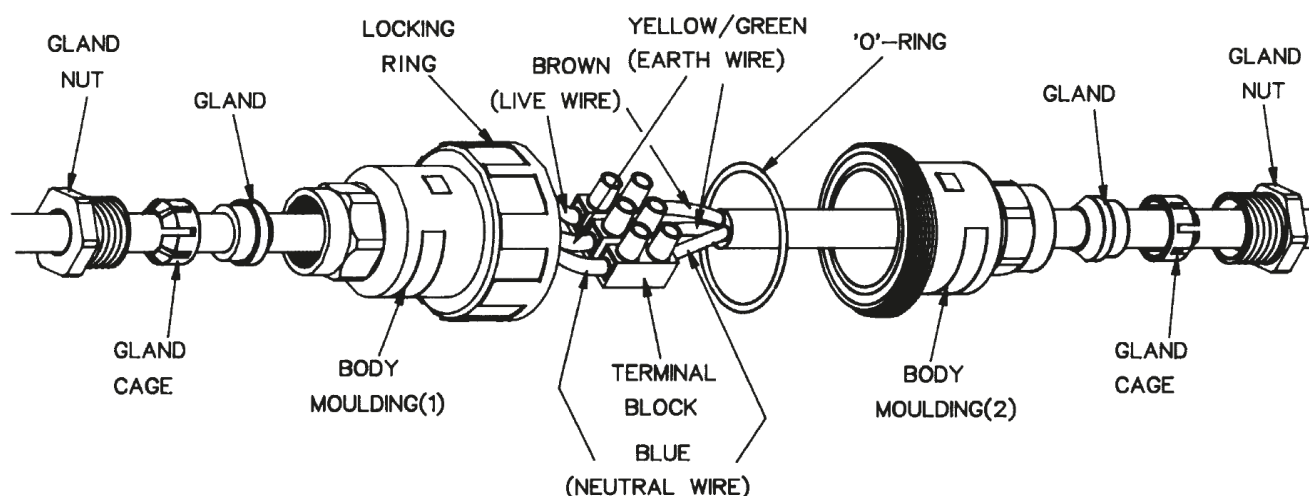
**PX0777/04/OR** – 3 Contact 3.5-5.0mm Orange.

**PX0777/4POLE** – 4 Contact 6-8mm Black.

**PX0777/6POLE/04** – 6 Contact 3.5-5.0mm Black.

**PX0777/8POLE/04/OR** – 8 Contact 3.5-5.0mm Orange.

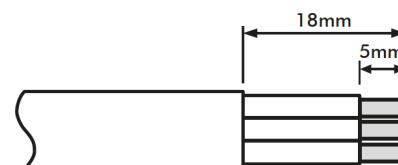
| PX0777  | XPOLE                                                                            | XX                                                        | XX                           |
|---------|----------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------|
| Part No | Blank = 3 Contact<br>4POLE = 4 Contact<br>6POLE = 6 Contact<br>8POLE = 8 Contact | Blank = 6-8mm<br>04 = 3.5-5mm<br>05 = 5-7mm<br>07 = 7-9mm | Blank = Black<br>OR = Orange |



1. Strip wires to dimensions shown.
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.

i.e. Brown to Brown (Live)  
Blue to Blue (Neutral)  
Green/Yellow to Green/Yellow (Earth)



Wire stripping details

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 1.5mm<sup>2</sup> CABLE

ALWAYS USE WITH SUPPLY PROTECTED BY AN RCD (RESIDUAL CURRENT DEVICE), IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.

**DANGER**

DISCONNECT MAINS  
SUPPLY BEFORE  
DISMANTLING  
CONNECTOR

# Mouser Electronics

Authorized Distributor

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[PX0739/P/04](#) [PX0731/P/07](#) [PX0777/05](#) [PX0799/04](#) [PX0739/S/07](#) [PX0748/P/05](#) [PX0749/S/05](#) [PX0777/CAT6ASTP](#)