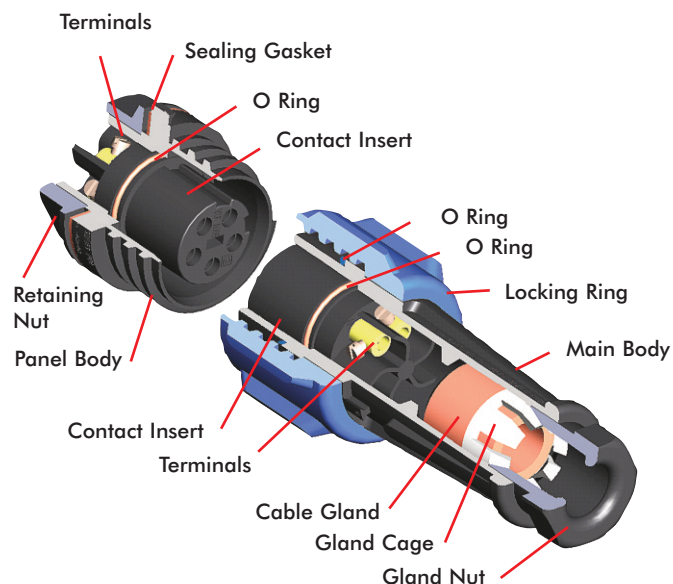


# 900 Series Buccaneer®



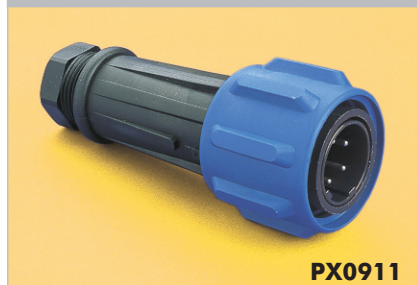
BUCCANEER POWER



- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- IP69K rating tested to DIN 40050-9
- 32A, 600V ac/dc rating
- 2, 3, 4, 5, 7 and 10 pole
- Plug or socket connection in each body style
- Water and dustproof to IP68 when mated
- 'Scoop proof' contacts
- Field termination - screw terminations
- Positive locating keyways - cannot be mis-connected
- Sealing caps available to maintain IP68 rating of unmated connectors
- Leading earth contact for 3, 4, 5 and 7 pole versions

- Trailing Neutral on 5 pole
- Compact design
- Easy assembly - no special tools required
- Single or 3 phase applications
- Bulkhead moulding available for use with flange mounting body for 45° or 90° mounting (order each separately)
- Cost effective solution
- Cable accommodation 7-22mm O/D
- Two cable connector versions for 15mm and 22mm (maximum) cable diameters
- Separate strain relief on large cable version
- UL, CSA and VDE approvals

### FLEX CABLE CONNECTOR

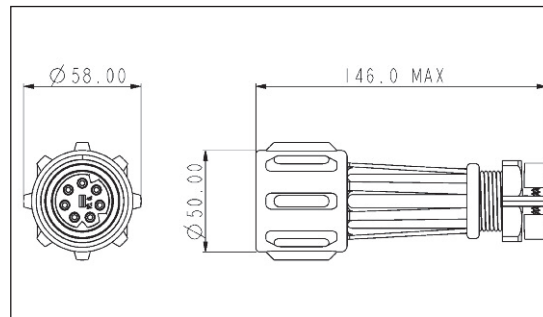
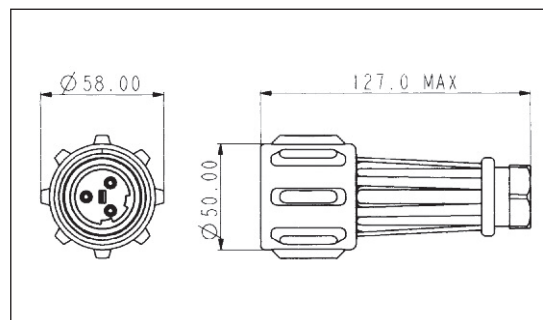


**PX0911**



**PXA911**

- Mates with in-line flex or panel mounting versions
- Positive, fast acting locking ring - can be turned with a gloved hand
- Plug or socket versions
- PX0 Series 13-15mm cable dia. as standard, 7-13mm with additional gland pack
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional gland pack
- Strain Relief Clamp (PXA Series only)



| Standard Cable | Large Cable | Description  | Standard Cable | Large Cable | Description    |
|----------------|-------------|--------------|----------------|-------------|----------------|
| PX0911/02/P    | PXA911/02/P | 2 pole Plug  | PX0911/02/S    | PXA911/02/S | 2 pole Socket  |
| PX0911/03/P    | PXA911/03/P | 3 pole Plug  | PX0911/03/S    | PXA911/03/S | 3 pole Socket  |
| PX0911/04/P    | PXA911/04/P | 4 pole Plug  | PX0911/04/S    | PXA911/04/S | 4 pole Socket  |
| PX0911/05/P    | PXA911/05/P | 5 pole Plug  | PX0911/05/S    | PXA911/05/S | 5 pole Socket  |
| PX0911/07/P    | PXA911/07/P | 7 pole Plug  | PX0911/07/S    | PXA911/07/S | 7 pole Socket  |
| PX0911/10/P    | PXA911/10/P | 10 pole Plug | PX0911/10/S    | PXA911/10/S | 10 pole Socket |

### IN-LINE FLEX CABLE CONNECTOR

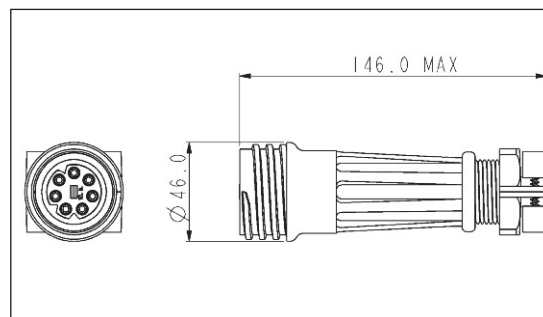
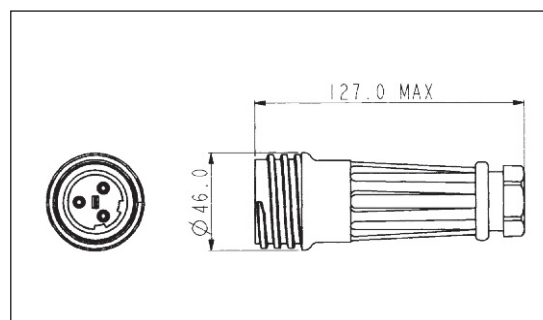


**PX0921**



**PXA921**

- Mates with either PX0911 or PXA911 connectors
- Plug or socket versions
- PX0 Series 13-15mm cable dia. as standard, 7-13mm with additional gland pack
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional gland pack
- Strain Relief Clamp (PXA Series only)



| Standard Cable | Large Cable | Description  | Standard Cable | Large Cable | Description    |
|----------------|-------------|--------------|----------------|-------------|----------------|
| PX0921/02/P    | PXA921/02/P | 2 pole Plug  | PX0921/02/S    | PXA921/02/S | 2 pole Socket  |
| PX0921/03/P    | PXA921/03/P | 3 pole Plug  | PX0921/03/S    | PXA921/03/S | 3 pole Socket  |
| PX0921/04/P    | PXA921/04/P | 4 pole Plug  | PX0921/04/S    | PXA921/04/S | 4 pole Socket  |
| PX0921/05/P    | PXA921/05/P | 5 pole Plug  | PX0921/05/S    | PXA921/05/S | 5 pole Socket  |
| PX0921/07/P    | PXA921/07/P | 7 pole Plug  | PX0921/07/S    | PXA921/07/S | 7 pole Socket  |
| PX0921/10/P    | PXA921/10/P | 10 pole Plug | PX0921/10/S    | PXA921/10/S | 10 pole Socket |

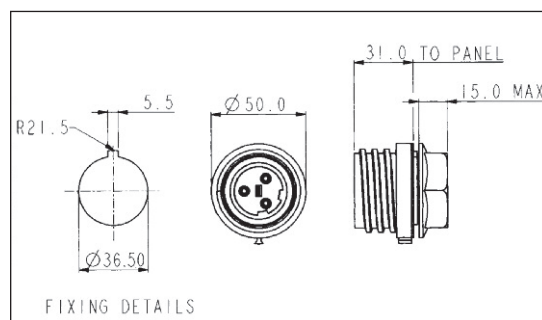
## 900 Series Buccaneer®

### PANEL MOUNTING CONNECTOR



**PX0931**

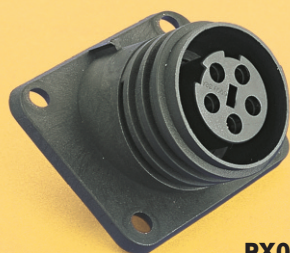
- Mates with PX0911 and PXA911 connectors
- Single hole fixing
- Anti-rotation key
- High grade sealing gasket
- 3-7mm panel thickness



### Panel Mounting

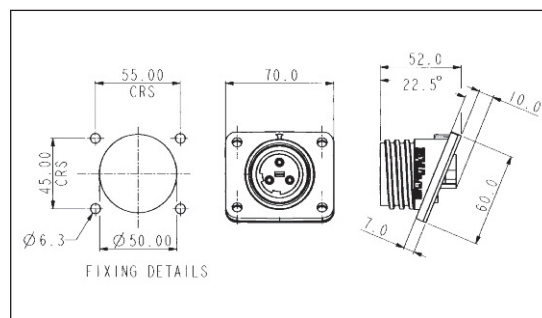
|             |              |             |                |
|-------------|--------------|-------------|----------------|
| PX0931/02/P | 2 pole Plug  | PX0931/02/S | 2 pole Socket  |
| PX0931/03/P | 3 pole Plug  | PX0931/03/S | 3 pole Socket  |
| PX0931/04/P | 4 pole Plug  | PX0931/04/S | 4 pole Socket  |
| PX0931/05/P | 5 pole Plug  | PX0931/05/S | 5 pole Socket  |
| PX0931/07/P | 7 pole Plug  | PX0931/07/S | 7 pole Socket  |
| PX0931/10/P | 10 pole Plug | PX0931/10/S | 10 pole Socket |

### FLANGE MOUNTING CONNECTOR



**PX0941**

- Mates with PX0911 and PXA911 connectors
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)

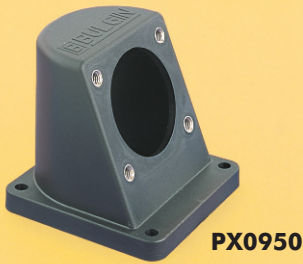


### Flange Mounting

|             |              |             |                |
|-------------|--------------|-------------|----------------|
| PX0941/02/P | 2 pole Plug  | PX0941/02/S | 2 pole Socket  |
| PX0941/03/P | 3 pole Plug  | PX0941/03/S | 3 pole Socket  |
| PX0941/04/P | 4 pole Plug  | PX0941/04/S | 4 pole Socket  |
| PX0941/05/P | 5 pole Plug  | PX0941/05/S | 5 pole Socket  |
| PX0941/07/P | 7 pole Plug  | PX0941/07/S | 7 pole Socket  |
| PX0941/10/P | 10 pole Plug | PX0941/10/S | 10 pole Socket |

## 900 Series Buccaneer®

### ADDITIONAL BULKHEAD ADAPTOR MOULDING

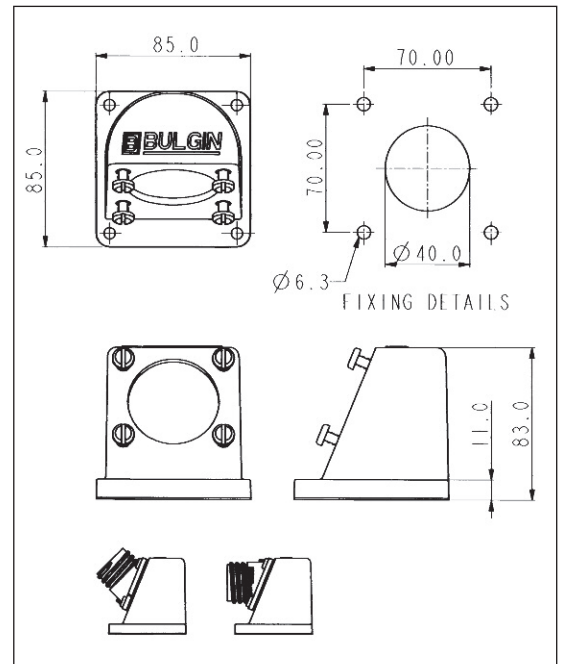


**PX0950**

- For use with flange mounting connector PX0941, to give 45° or 90° angle
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)

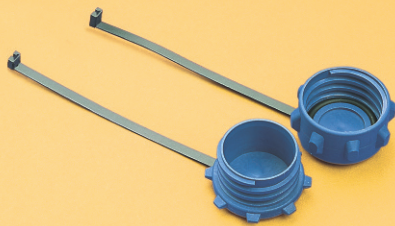


**PX0950 & PX0941**



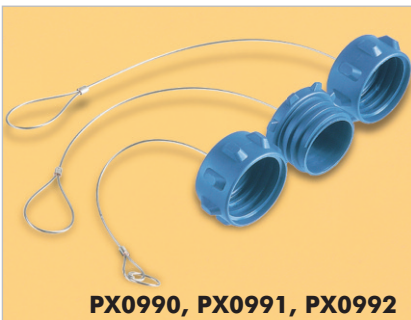
BUCCANEER POWER

### ACCESSORIES



**PX0960, PX0970**

- Sealing caps to maintain IP68 & IP69K rating of unmated connectors, with plastic straps



**PX0990, PX0991, PX0992**

- Heavy duty sealing caps to maintain IP68 & IP69K rating of unmated connectors, with stainless steel straps

### Sealing Caps

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| PX0960 | Sealing cap for use with PX0911/xx/x and PXA911/xx/x            |
| PX0970 | Sealing cap for use with all other styles                       |
| PX0990 | Heavy duty sealing cap for use with PX0911/xx/x and PXA911/xx/x |
| PX0991 | Heavy duty sealing cap for use with PX0921/xx/x and PXA921/xx/x |
| PX0992 | Heavy duty sealing cap for use with PX0931 and PX0941           |

### Gland Packs

|        |                                                                                                              |
|--------|--------------------------------------------------------------------------------------------------------------|
| PX0980 | Pack of 3 additional cable glands for PX0911 and PX0921 to suit cable sizes; 11-13mm, 9-11 and 7-9mm dia.    |
| PXA980 | Pack of 3 additional cable glands for PXA911 and PXA921 to suit cable sizes; 18-20mm, 16-18 and 14-16mm dia. |

## 900 Series Buccaneer®

### SPECIFICATION

#### Electrical:

|                              |                                                                                                                                                                                                                                                                                                                                                                 |                 |                  |            |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|------------|
| No Poles:                    | 2, 3                                                                                                                                                                                                                                                                                                                                                            | 4, 5            | 7                | 10†        |
| Current Rating:              | 32A<br>30A, CSA                                                                                                                                                                                                                                                                                                                                                 | 32A<br>25A, CSA | 32A<br>25A, CSA* | 10A        |
| Voltage Rating:              | 600V ac/dc                                                                                                                                                                                                                                                                                                                                                      | 600V ac/dc      | 430V ac/dc       | 250V ac/dc |
| Contact Resistance:          | <10mΩ (initial)                                                                                                                                                                                                                                                                                                                                                 |                 |                  |            |
| Insulation Resistance:       | >10 <sup>9</sup> MΩ (@ 500V dc)                                                                                                                                                                                                                                                                                                                                 |                 |                  |            |
| Dielectric strength:         | 2.2kV ac min                                                                                                                                                                                                                                                                                                                                                    |                 |                  |            |
| AC Breakdown voltage:        | 6kV                                                                                                                                                                                                                                                                                                                                                             |                 |                  |            |
| Operating Temperature Range: | -40°C to +85°C                                                                                                                                                                                                                                                                                                                                                  |                 |                  |            |
| Approvals:                   | UL <br>CSA <br>VDE <br>CCC  |                 |                  |            |
|                              | E214972<br>1211899<br>40003148<br>2011020203500396 – 10 Amp Rated<br>2011020203500396 – 32 Amp Rated                                                                                                                                                                                                                                                            |                 |                  |            |

\*with 75°C min. rated cable  
 †approvals pending for 10 Pole version

#### Material:

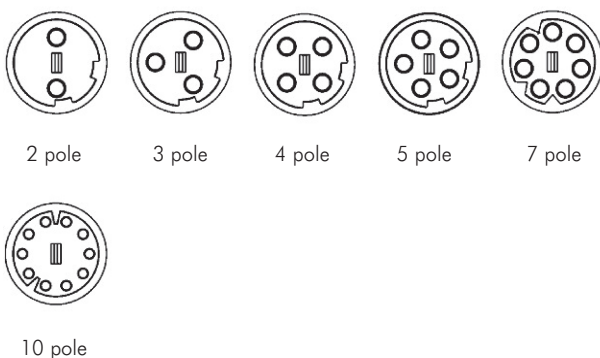
|                       |                                     |
|-----------------------|-------------------------------------|
| Body Mouldings:       | Polyamide                           |
| Flammability Rating:  | UL94V-0                             |
| UV Resistance:        | To EN50021: 1999                    |
| Contacts:             | Machined Solid Brass, Nickel plated |
| O Rings:              | Nitrile                             |
| Panel Sealing Gasket: | Silicone Rubber                     |
| <b>RoHS</b>           | Compliant                           |

#### Mechanical:

|                                    |                                                                                                                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sealing:                           | IP68, EN60529 :1992 tested @<br>1.054kg/sq.cm. (15lb/sq.in.) 10m depth for<br>2 weeks<br><br>IP69K, DIN 40050-9                                                                    |
| Cable Acceptance:                  | PX0911-PX0921 13 - 15mm O/D standard,<br>7-13mm with gland pack<br>PXA911-PXA921 20 - 22mm O/D standard,<br>14 - 20mm with gland pack                                              |
| Contact Accommodation:             | 2-7 pole - 2.5 to 4mm <sup>2</sup> (13 to 10AWG)<br>conductor, single or multi stranded<br>10 pole - 0.75 to 2mm <sup>2</sup> (14 to 18AWG)<br>conductor, single or multi stranded |
| Termination:                       | Axial screw terminals                                                                                                                                                              |
| Cable Retention force:             | 22mm dia, 150N<br>15mm dia, 150N<br>7mm dia, 80N                                                                                                                                   |
| Gland Nut Torques:                 |                                                                                                                                                                                    |
| PX0 range                          |                                                                                                                                                                                    |
| 13-15mm (Yellow - std.)            | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| 11-13mm (black)                    | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| 9-11mm (white)                     | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| 7-9mm (dark grey)                  | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| PXA range                          |                                                                                                                                                                                    |
| 20-22mm (Yellow - std.)            | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| 18-20mm (black)                    | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| 16-18mm (white)                    | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| 14-16mm (dark grey)                | 3.16Nm (28 lbf.in.)                                                                                                                                                                |
| Tightening Torques:                |                                                                                                                                                                                    |
| Panel mount nut                    | 2.25Nm (20 lbf.in.)                                                                                                                                                                |
| Flange & Bulkhead<br>fixing screws | 0.9Nm (8 lbf.in.)                                                                                                                                                                  |
| Inserts into Bodies                | 1.13Nm (10 lbf.in.) to 1.36Nm (12 lbf.in.)                                                                                                                                         |
| Term screws - 2 to 5 poles         | 1.0Nm (9 lbf.in.) max                                                                                                                                                              |
| Term screws - 7 pole               | 0.4Nm (3.5 lbf.in.) max                                                                                                                                                            |
| Term screws - 10 pole              | 0.25Nm (2.2 lbf.in.) max                                                                                                                                                           |

Rear thread PX0931 series M36 x 2-6g

### CONTACT LAYOUT



#### Dimensions:

Overall dimensions of connectors when mated together

|                 |                                             |
|-----------------|---------------------------------------------|
| PX0911 + PX0921 | 230 mm max.                                 |
| PXA911 + PXA921 | 270 mm max.                                 |
| PX0911 + PX0931 | 135 mm max. (to panel)                      |
| PXA911 + PX0931 | 175 mm max. (to panel)                      |
| PX0911 + PX0941 | 145 mm max. (to panel, mid point on flange) |
| PXA911 + PX0941 | 174 mm max. (to panel, mid point on flange) |

### PART NO SYSTEM

**PXx9 x x / xx / x / xx**

#### Series Designation

09 = Standard Cable Accommodation (7-13mm)

A9 = Large Cable Accommodation (14-22mm)

#### Body Styles

1 = Flex, 2 = Flex In-line,

3 = Panel, 4 = Flange Panel

#### Contact Termination

1 = Screw Terminal

#### Number Contacts

02 = 2 pole, 03 = 3 pole, 04 = 4 pole,

05 = 5 pole, 07 = 7 pole, 10 = 10 pole

#### Contact Type

P = Plug, S = Socket

#### Cable Acceptance

PX0 version:

Blank = 13-15mm Yellow cable gland (standard)

03 = 11-13mm Black cable gland

02 = 9-11mm White cable gland

01 = 7-9mm Dark Grey cable gland

PXA version:

Blank = 20-22mm Yellow cable gland (standard)

09 = 18-20mm Black cable gland

08 = 16-18mm White cable gland

07 = 14-16mm Dark Grey cable gland

#### Example:

PX0911/07/P/03 = Flex cable connector with standard cable accommodation body, seven pin contacts, with gland to suit 11-13mm cable.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Bulgin:

[PX0941/02/S](#) [PX0941/04/S](#) [PX0941/04/P](#) [PX0941/05/P](#) [PX0941/05/S](#) [PXA911/07/S](#) [PXA921/07/S](#) [PXA921/07/P](#)  
[PX0941/03/P](#) [PX0941/03/S](#) [PX0941/07/S](#) [PX0931/07/S](#) [PX0931/07/P](#) [PX0941/07/P](#) [PX0960](#) [PX0911/04/P](#)  
[PX0911/04/S](#) [PX0921/04/P](#) [PX0911/05/P](#) [PX0911/05/S](#) [PX0980](#) [PX0950](#) [PX0970](#) [PX0921/03/P](#) [PX0911/03/S](#)  
[PX0921/03/S](#) [PX0911/03/P](#) [PX0911/02/S](#) [PX0911/02/P](#) [PX0921/02/P](#) [PX0921/02/S](#) [PXA911/02/P](#) [PXA911/02/S](#)  
[PXA911/03/P](#) [PXA911/03/S](#) [PXA911/04/P](#) [PXA911/04/S](#) [PXA911/05/P](#) [PXA911/05/S](#) [PXA921/02/P](#) [PXA921/02/S](#)  
[PXA921/03/P](#) [PXA921/03/S](#) [PXA921/04/P](#) [PXA921/04/S](#) [PXA921/05/P](#) [PXA921/05/S](#) [PX0990](#) [PX0991](#) [PX0992](#)  
[PX0911/04/S/01](#) [PX0931/10/S](#) [PX0941/10/P](#) [PX0941/10/S](#) [PXA921/10/P](#) [PXA921/10/S](#) [PX0911/10/P](#) [PX0921/10/S](#)  
[PX0921/10/P](#) [PXA911/04/S/08](#) [PXA980](#) [PX0921/07/S](#) [PX0911/07/P](#) [PXA911/10/S](#) [PXA911/05/P/08](#)  
[PX0921/04/P/01](#) [PX0911/10/S](#) [PXA911/10/P](#) [PX0911/03/S/02](#)