USB Buccaneer®

IP68

Over moulded assembly provides IP68 cable seal

Coupling ring, screw thread provides secure cable coupling

USB adaptor

Sealing Cap Clip

Standard USB connector

'O' ring maintains IP68 seal at connector interface
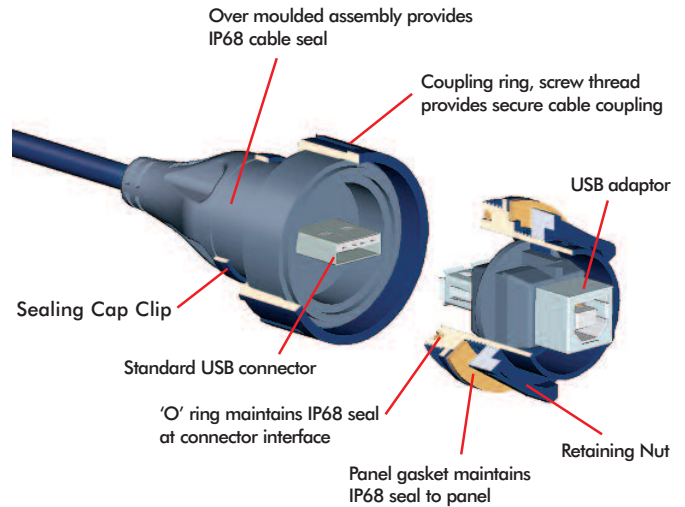
Retaining Nut

Panel gasket maintains IP68 seal to panel

- ■ IP68 rated
- ■ USB version 2.0 performance
- ■ Plug and play capability
- ■ Visual mating indication
- ■ Shielded system
- ■ Single and double ended cables
- ■ Screw coupling
- ■ PCB versions

- ▶ Dust and waterproof sealing when mated
- ▶ Low and high speed bus connection, 1.5Mbs to 480Mbs
- ▶ Hot pluggable, standard 4 pole interface
- ▶ Alignment indicator reduces risk of damage during mating
- ▶ High noise immunity and EMI protection
- ▶ Suitable for PC and peripheral configuration
- ▶ Secure, proven locking system
- ▶ Direct mounting or via adaptor leads

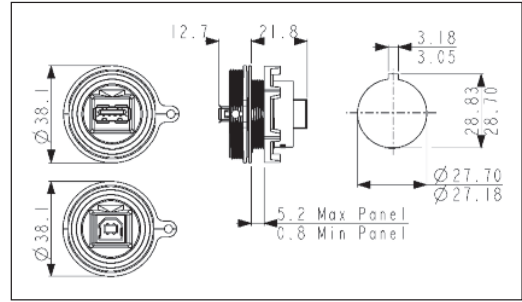## FRONT PANEL MOUNTING CONNECTOR

PX0842/A   **PX0842/B**

- PX0842/A - USB 'A' type IP68 connector
- PX0842/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Mates with PX0840 and PX0841cable connectors

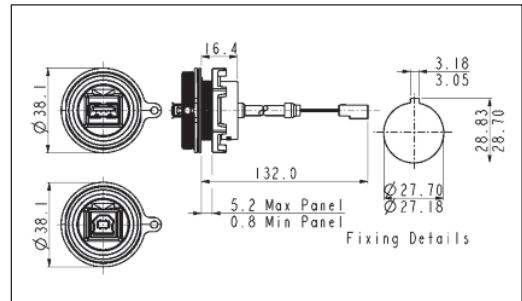| Part No.	Description
PX0842/A	IP68 A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear.
PX0842/B	IP68 B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear.

FRONT PANEL MOUNTING CONNECTOR

PX0843/A   **PX0843/B**

- PX0843/A - USB 'A' type IP68 connector
- PX0843/B - USB 'B' type IP68 connector
- Leaded with 5 way crimp connector
- Mates with PX0840 and PX0841 cable connectors

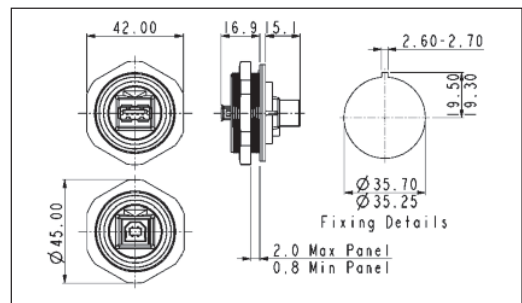| Part No.	Description
PX0843/A	IP68 A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear.
PX0843/B	IP68 B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear.

REAR PANEL MOUNTING CONNECTOR

PX0848/A   **PX0848/B**

- PX0848/A - USB 'A' type IP68 connector
- PX0848/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Mates with PX0840 and PX0841 cable connectors

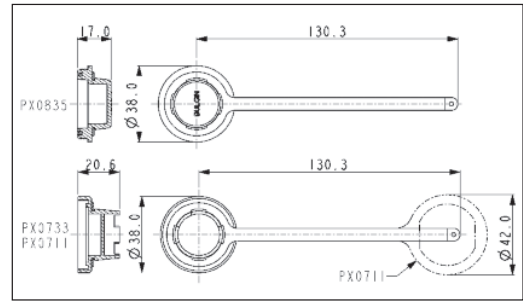| Part No.	Description
PX0848/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, standard B type at rear.
PX0848/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, standard A type at rear.

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ACCESSORIES

- Sealing caps to maintain IP68 rating when connectors are not in use
- PX0835 for cable connectors PX0840 and PX0841
- PX0733 for front panel mount connectors PX0842 and PX0843
- PX0711 for rear panel mount connectors PX0848, PX0849 and PX0845

Part No.	Description
PX0835	Sealing Cap for cable connectors (PX0840, PX0841)
PX0733	Sealing Cap for front panel mounting connector (PX0842, PX0843)
PX0711	Sealing Cap for rear panel mounting connector (PX0848, PX0849, PX0845)

USB FLASH DRIVE COVER

- For use with USB Flash Drives
- Maintains IP68 rating when mated
- For use with 'A' type connectors: PX0842, PX0843, PX0845, PX0848 & PX0849
- Internal accommodation 17.5 x 14.0 x 83mm approx.

PX0852
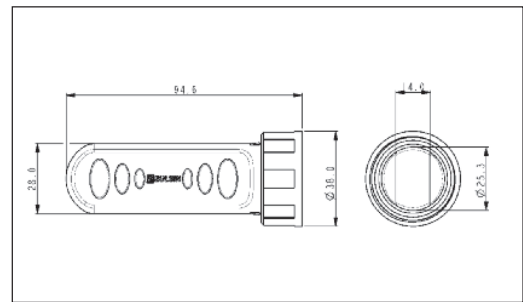
SPECIFICATION

Cables & connectors

Electrical

No. of conductors	4
Current rating	1A
Voltage rating	30Vac (RMS)
Contact resistance	30mΩ max.
Performance	USB version 2.0

Materials - connectors

Shell material	Steel
Shell plating	Nickel
Insulation moulding	Nylon 6
Flammability	UL94V-0
Contact material	Copper Alloy
Contact plating	30 micro inch Gold
Over mould material	PVC (black)
Operating temperature	0°C to +70°C
Mating cycles	1,000
RoHS	Compliant

Materials - cable

Cable Jacket	PVC (black)
Screen	Tinned copper braid
Flammability	UL94V-0
RoHS	Compliant

Length:	Dia	Conductors Signal	Conductors Power
2m	4.8mm	2 x 28AWG	2 x 24AWG
3m	5.0mm	2 x 28AWG	2 x 22AWG
5m	5.2mm	2 x 25AWG	2 x 20AWG

PCB adaptor leads

Electrical

No. of conductors	4
Current rating	1A
Voltage rating	30Vac (RMS)
Contact resistance	<10mΩ max.
PCB pitch	2.54mm

Materials

Moulding	Polycarbonate
Flammability	UL94V-0
Contact material	Copper Alloy
Contact plating	30 micro inch Gold
Wire insulation	PVC (black)
Flammability	UL94-V0
Conductors	4 x 28AWG
Operating temperature	0°C to +70°C
Mating cycles	1,000
RoHS	Compliant

Cable construction

PVC Jacket
Braid
Insulation SR-PVC
Conductor 2M - 24AWG 3M - 22AWG 5M - 20AWG
Drain Wire
Insulation - Polyolefin
Insulation HD-PE
Conductor 2M - 28AWG 3M - 28AWG 5M - 25AWG