bulgin
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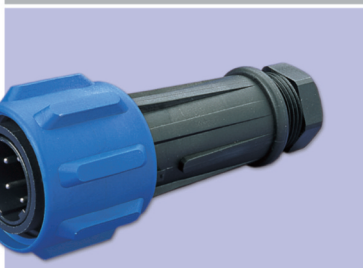
Shortform
Catalog
2013

BUCCANEER
IP66 **IP68** **IP69K**

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A full range of dust and waterproof circular connectors with ratings from IP66, IP68 to IP69K designed to provide safe and secure connections in harsh or hostile conditions. Including the EXPlora ATEX Zone 2 approved Hazardous Area range of connectors.The Power Buccaneer range consists of the miniature400 Series, Mini, Standard, 900 series and the new 6000 series Buccaneer.

The 6000 series has a unique push-pull latching mechanism with locking facility and is available in both metal and plastic body versions. Each range has flex cable connector, in-line flex cableconnector and panel mounting connector options. With a wide choice of alternatives from 2 to 25 poles,BNC connections and screw, solder or crimp Terminations.

The Data Buccaneer range includes designs for Ethernet, USB, Mini USB, SMB interfaces. Ethernet Buccaneer meets Cat 5e requirements for data rates up to 100Mbs, USB and Mini USB Buccaneer meets USB version 2.0 specification for data rates up to 480Mbs, SMB Buccaneer has a frequency response up to 4GHz, and for wireless applications there's the SMB waterproof antenna. The Buccaneer range provides the answer to many 'real-world' design problems.

6000 Series Buccaneer - Power
IP66 **IP68** **IP69K**

PXP6010
- Plastic version
- Push/pull coupling
- Flex Cable Connector
- Mates with all other body styles
- 2, 3, 8, 16 & 22 pole
- Plug or Socket
- 16A, 277 V (max)
- 4-10mm cable acceptance
- Overall diameter 32mm
- CSA, UL, VDE approvals pending

PXP6011
- Plastic version
- Push/pull coupling
- In-line Flex Cable Connector
- Mates with PXP6010 & PXM6010
- 2, 3, 8, 16 & 22 pole
- Plug or Socket
- 16A, 277 V (max)
- 4-10mm cable acceptance
- Overall diameter 32mm
- CSA, UL, VDE approvals pending

PXP6012
- Plastic version
- Push/pull coupling
- Panel mount Connector
- Mates with PXP6010 & PXM6010
- 2, 3, 8, 16 & 22 pole
- Plug or Socket
- 16A, 277 V (max)
- 4-10mm cable acceptance
- Overall diameter 32mm
- CSA, UL, VDE approvals pending

PXM6010
- Metal version
- Push/pull coupling
- Flex Cable Connector
- Mates with all other body styles
- 2, 3, 8, 16 & 22 pole
- Plug or Socket
- 16A, 277 V (max)
- 4-10mm cable acceptance
- Overall diameter 32mm
- CSA, UL, VDE approvals pending

PXM6011
- Metal version
- Push/pull coupling
- In-line Flex Cable Connector
- Mates with PXP6010 & PXM6010
- 2, 3, 8, 16 & 22 pole
- Plug or Socket
- 16A, 277 V (max)
- 4-10mm cable acceptance
- Overall diameter 32mm
- CSA, UL, VDE approvals pending

PXM6012
- Metal version
- Push/pull coupling
- Panel mount Connector
- Mates with PXP6010 & PXM6010
- 2, 3, 8, 16 & 22 pole
- Plug or Socket
- 16A, 277 V (max)
- 4-10mm cable acceptance
- Overall diameter 32mm
- CSA, UL, VDE approvals pending

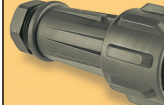## 6000 Series Buccaneer - Ethernet
IP66 **IP68** **IP69K**

PXP6034
- Plastic version
- Push/pull coupling
- Re-wireable flex Cable Connector
- Mates with panel mounting connectors (PX0P6033TP)
- Two versions: for PE and PUR jacket cable
- Supplied with shielded RJ45
- UL approvals pending

PXP6033TP
- Plastic version
- Push/pull coupling
- Front Panel Mounting Connector
- Sealed through panel
- Mates with PXP6037, PXP6038, PXP6034) flex connectors
- Cat 5e shielded coupler
- Standard patchcord can be plugged into rear
- Version with earth wire available
- UL approvals pending

PXP6037
- Plastic version
- Push/pull coupling
- Overmoulded construction
- Mates with panel mounting connectors (PXP6033TP)
- Single or double ended
- Standard lengths: 2m, 3m & 5m
- PUR jacket cable
- S-FTP cable construction
- Exceeds EIA/TIA Cat 5e
- UL approvals pending

PXM6034
- Metal version
- Push/pull coupling
- Re-wireable flex Cable Connector
- Mates with panel mounting connectors (PX0P6033TP)
- Two versions: for PE and PUR jacket cable
- Supplied with shielded RJ45
- UL approvals pending

PXM6033TP
- Metal version
- Push/pull coupling
- Front Panel Mounting Connector
- Sealed through panel
- Mates with PXP6037, PXP6038, PXP6034) flex connectors
- Cat 5e shielded coupler
- Standard patchcord can be plugged into rear
- Version with earth wire available
- UL approvals pending

ACCESSORIES
- Metal & Plastic versions
- Push/pull coupling
- Sealing caps: For flex connectors For panel mounting connectors
- Maintain sealing integrity
- UL approvals pending

6000 Series Buccaneer - USB

PXP6040 / 41
- Plastic version
- Push/pull coupling
- Single and double ended sealed cable assembly
- 'A' type and 'B' type USB connector interfaces
- Mates with all panel mounting styles
- Available in 2m, 3m and 5m lengths

PXP6042
- Plastic version
- Push/pull coupling
- Front Panel Mounting Connector
- PX06042/A - USB 'A' type sealed connector
- PX0842/B - USB 'B' type sealed connector
- Opposite connector to rear of panel
- Mates with PXP6040 and PXP6041 cable connectors

PXP6043
- Plastic version
- Push/pull coupling
- Front Panel Mounting Connector
- PX06043/A - USB 'A' type sealed connector
- PX0843/B - USB 'B' type sealed connector
- Leaded with 5 way crimp connector
- Mates with PXP6040 and PXP6041 cable connectors
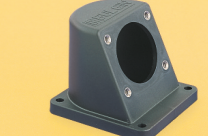
EXPlora ATEX Zone 2 Certified
Ex **IP68**

EXP-0911
- Tri-start thread coupling
- ATEX Zone 2 Certified
- Mates with EXP-0921, EXP-A921, EXP-0931 & EXP-0941
- Plug or socket versions
- 7-13mm dia cable acceptance - EXP-0
- 14-22mm dia cable acceptance - EXP-A
- Strain Relief Clamp - EXP-A series
- Up to 18A, 600V ac/dc rating
- 2, 3, 4, 5, 7 and 10 pole

EXP-A921
- Tri-start thread coupling
- ATEX Zone 2 Certified
- Mates with EXP-0911, EXP-A911
- Plug or socket versions
- 7-13mm dia cable acceptance - EXP-0
- 14 - 22mm dia cable acceptance - EXP-A
- Strain Relief Clamp - EXP-A series
- Up to 18A, 600V ac/dc rating
- 2, 3, 4, 5, 7 and 10 pole

EXP-0931
- Tri-start thread coupling
- ATEX Zone 2 Certified
- Panel mount connector
- Mates with EXP-0911, EXP-A911
- Plug or socket versions
- Up to 18A, 600V ac/dc rating
- 2, 3, 4, 5, 7 and 10 pole

EXP-0941
- Tri-start thread coupling
- ATEX Zone 2 Certified
- Flange mount connector
- Mates with EXP-0911, EXP-A911
- Plug or socket versions
- Up to 18A, 600V ac/dc rating
- 2, 3, 4, 5, 7 and 10 pole

SEALING CAPS
- Tri-start thread coupling
- Heavy duty sealing caps to maintain IP68 rating of unmated connectors, with stainless steel straps

900 Series Buccaneer IP68 IP69K

PX0911
- Tri-start thread coupling
- Flex Cable Connector
- Mates with all other styles
- 2, 3, 4, 5, 7 & 10 pole
- Plug or Socket
- 32A, 600 V (7 pole 430V)
- 7-15mm cable acceptance
- Overall diameter 58mm

PXA911
- Tri-start thread coupling
- Flex Cable Connector
- Mates with all other styles
- 2, 3, 4, 5, 7 & 10 pole
- Plug or Socket
- 32A, 600 V (7 pole 430V)
- 14-22mm cable acceptance
- Strain relief clamp

PX0931
- Tri-start thread coupling
- Panel Mount Connector
- Anti-rotation key
- 2, 3, 4, 5, 7 & 10 pole
- Mates with PX0911 & PXA911
- Plug or Socket
- 32A, 600V (7 pole 430V)
- 3-7mm panel thickness

PX0921
- Tri-start thread coupling
- In-Line Flex Cable Connector
- Mates with PX0911 & PXA911
- 2, 3, 4, 5, 7 & 10 pole
- Plug or Socket
- 32A, 600V (7 pole 430V)
- 7-15mm cable acceptance

PXA921
- Tri-start thread coupling
- In-Line Flex Cable Connector
- Mates with PX0911 & PXA911
- 2, 3, 4, 5, 7 & 10 pole
- Plug or Socket
- 32A, 600V (7 pole 430V)
- 14-22mm cable acceptance
- Strain relief clamp

PX0941
- Tri-start thread coupling
- Flange Mount Connector
- 2, 3, 4, 5, 7 & 10 pole
- Mates with PX0911 & PXA911
- Plug or Socket
- 32A, 600V (7 pole 430V)
- 6.2mm dia mounting holes

PX0950
- Tri-start thread coupling
- Additional Bulkhead Adaptor
- For use with PX0941 to give a 45° or 90° angle
- 6.2mm dia mounting holes

PX0960, PX0970
- Tri-start thread coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- PX0960 used for PX0911 & PXA911
- PX0970 used for all other styles

PX0990, PX0991, PX0992
- Tri-start thread coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- PX0990 Heavy duty sealing cap for use with PX0911 and PXA911
- PX0991 Heavy duty sealing cap for use with PX0921 and PXA921
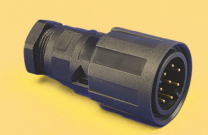- PX0992 Heavy duty sealing cap for use with PX0931and PX0941

Standard Buccaneer IP68 IP69K

FLEX CABLE CONNECTOR
- Screw coupling
- Flex Cable Connector
- Mates with in-line flex connector and all panel connectors
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc
- 3.5-9mm cable acceptance
- Overall diameter 38mm

OVERMOULDED CONNECTORS
- Screw coupling
- Overmoulded cable assemblies
- Up to 14mm dia cable with PVC or PU jackets
- PX0700 flex cable connector
- Mates with in-line flex connector and all panel connectors

IN-LINE FLEX CABLE CONNECTOR
- Screw coupling
- In-Line Flex Mounting Connector
- Mates with Flex Mounting Connector
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc
- 3.5-9mm cable acceptance

PANEL CONNECTOR
- Screw coupling
- Front Panel Mounting Connector
- Mates with Flex Cable Connector
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc

REAR PANEL MOUNT CONNECTOR
- Screw coupling
- Rear Panel Mounting Connector
- PC Spills or screw terminals
- Mates with Flex Cable Connector
- Poles 2, 3, 6, 9, 12, 25
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc

(pending)

LOW PROFILE FLANGE MOUNTING
- Screw coupling
- Low Profile Flange Mounting Connector
- Mates with Flex Cable Connector
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc

BULKHEAD/SURFACE MOUNTING
- Screw coupling
- Bulkhead/Surface Mounting Connector
- Mates with Flex Cable Connector
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc

SEALING CAPS
- Screw coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- PX0734 fits Flex Mounting Connector
- PX0733 fits In-Line Flex, Front Panel Mount, Flange Mount and Bulkhead connectors
- PX0711 for PCB and Rear Panel Mount connectors

INLINE CONNECTOR
- Screw coupling
- IP68 Rated In-Line Connector
- Standard Cable Acceptance 6-8mm
- Cable Range 3.5-9mm (using alternative glands)
- Supplied with 3 way Terminal Block
- Available Moulded in Black or Orange
- Also available with Ethernet RJ45 connections

Mini Buccaneer IP68

PX0800 - shown with insert
- Screw coupling
- Flex Cable Connector
- Mates with Flex In-Line or Panel Mounting versions
- Suitable for Pin, Socket or BNC inserts
- Cable acceptance 3.5-9mm (Standard 5-7mm)
- Overall diameter 26mm

PX0802 - shown with insert
- Screw coupling
- Panel Mounting Connector
- Mates with PX0800
- Single hole fixing
- Suitable for Pin, Socket or BNC inserts
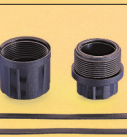
PX0805 - shown with insert
- Screw coupling
- Panel Mounting Connectors
- Mates with PX0800
- Suitable for Pin, Socket or BNC inserts
- PX0804 as PX0805 but without sealing cap retaining clip

PX0801 - shown with insert
- Screw coupling
- In-Line Flex Cable Connector
- Mates with PX0800
- Suitable for Pin, Socket or BNC inserts
- Cable acceptance 3.5-9mm (Standard 5-7mm)

PX0803 - shown with insert
- Screw coupling
- Panel Mounting Connector
- Mates with PX0800
- Right angle cable entry
- Suitable for Pin, Socket inserts

SEALING CAPS
- Screw coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- PX0811 fits Flex Mounting Connector, PX0810 fits all other body styles

SCREW TERMINAL INSERTS
- Screw coupling
- 2, 3, 4 and 6 poles
- 3-10A, 250V ac
- Fits all body styles
- Leading earth pin on 3, 4 and 6 pole inserts

SOLDER/CRIMP INSERTS
- Screw coupling
- For solder or crimp contacts
- 5A, 380V ac
- 3 or 8 pin
- Fits all body styles

400 Series Buccaneer [IP68]

PX0410/P PX0410/S

- Screw coupling
- Flex Cable Connector
- Mates with PX0401, PX0411, PX0412 and PX0413
- 2, 3, 4, 6, 8, 10 and 12 pole
- Pin or Socket inserts
- 1-8A, 50-250V ac/dc
- Cable acceptance 3-7mm
- Overall diameter 19mm

PX0411/P PX0411/S

- Screw coupling
- In-line Flex Cable Connector
- Mates with PX0410 & PX0400
- 2, 3, 4, 6, 8, 10 and 12 pole
- Pin or Socket inserts
- 1-8A, 50-250V ac/dc
- Cable acceptance 3-7mm
- Overall diameter 19mm

PX0401, PX0400

- Screw coupling
- Overmoulded cable assemblies
- Up to 9mm dia cable with PVC or PU jackets
- PX0400: Flex cable connector, mates with in-line flex connectors
- PX0401: In-line flex cable connector, mates with in-line flex connectors and all panel connectors

PX0412/P PX0412/S

- Screw coupling
- Front Panel Mounting Connector
- Mates with PX0410
- 2, 3, 4, 6, 8, 10 and 12 pole
- Pin or Socket inserts
- 1-8A, 50-250V ac/dc
- Single hole fixing - 16.1mm dia. D
- Crimp or solder contacts - supplied separately

PX0413

- Screw coupling
- Mates with Flex Cable connector PX0410
- Rear Panel mounting
- Single hole fixing - 19.1mm dia. D
- 2, 3, 4, 6, 8, 10 or 12 pole
- PX0413: Crimp or solder contacts - supplied separately
- PX0413/PC: straight PC spills, pre-loaded gold plated contacts

PX0480, PX0480/1, PX0481, PX0484

- Screw coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- PX0480/1 - fits PX0411 style
- PX0480 - fits PX0412 style
- PX0481 - fits PX0410 style
- PX0484 - fits PX0413 styles

SMB Buccaneer® [IP68]

PX0415

- Screw coupling
- Flex cable connector
- Mates with Panel connector (PX0414)
- PX0415 - Re-wireable connector for RG-174 cable
- PX0416 - Pre-wired with RG-174 cable
- Gold plated SMB plug
- 50WΩ impedance

PX0414

- Screw coupling
- Front panel mount connector
- Mates with Flex connectors (PX0415, PX0416)
- Single hole fixing
- Supplied with SMB jack terminated with RG-174 cable

SEALING CAPS

- Screw coupling
- PX0480 - fits PX0414 style
- PX0481 - fits PX0415 style
- PX0485 - fits PX0416 style

PX0407, PX0408 & PX0409

- Screw coupling
- SMB Antenna
- Dust & waterproof to IP68 EN60529 when mated
- Built-in sealed antenna
- Frequency bands:
  2.4 to 2.5GHz
  440 to 470MHz
  850-900/1800/1900MHz
- Mates with SMB Buccaneer PX0414

Mini USB Buccaneer® [IP68] [IP69K]

PX0444

- Screw coupling
- Single ended sealed cable assembly
- Sealed Mini 'A' to Mini 'B'
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0456, PX0457 & PX0458

PX0441, PX0442

- Screw coupling
- Single ended sealed cable assembly
- Sealed Mini 'B' to either Standard 'A' or Mini 'A' type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446 & PX0447

PX0443, PX0456

- Screw coupling
- Mini 'B' type or Mini 'AB' type
- Front panel mounting connector leaded with 5 way crimp, for use with PC header or rear panel mounting connector with leaded 5 way header
- Mates with PX0441 & PX0442 type cables

PX0446, PX0457

- Screw coupling
- Mini 'B' or Mini 'AB' type
- Rear panel mounting connector leaded with 6 way header or front panel mounting connector leaded with 6 way crimp, for use with PC header
- Mates with PX0441 & PX0442 type cables

PX0447, PX0458

- Screw coupling
- Mini 'B' type or Mini 'AB' type
- Rear panel mounting connector
- PCB mounting
- Mates with PX0441 & PX0442 type cables

PX0480, PX0484 & PX0485

- Screw coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- 5 way headers for use with PX0443
- PX0480 - fits PX0443
- PX0484 - fits PX0446 & PX0447
- PX0485 - fits PX0441 & PX0442

Ethernet Buccaneer® [IP68] [IP69K]

PX0836, PX0837, PX0838

- Screw coupling
- Mates with panel mounting connectors (PX0833, PX0839, PX0870)
- Single or double ended
- Standard lengths: 2m, 3m & 5m
- PUR jacket cable
- Supplied with shielded RJ45 plug
- S-FTP cable construction
- Wiring configuration to 568-B
- Exceeds EIA/TIA Cat 5e

PX0834

- Screw coupling
- Flex Cable Connector
- Mates with panel mounting connectors (PX0833, PX0839, PX0870)
- Supplied with shielded RJ45 plug
- Two versions:
  for PE and PUR jacket cable (Cat 5e) for other cable sizes from 3.5 to 8mm dia

PX0833

- Screw coupling
- Front Panel Mounting Connector
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- Cat 5e shielded coupler
- Standard patchcord can be plugged into rear
- Version with earth wire available
- Single hole fixing
- Complete with panel sealing gasket

PX0839/PC

- Screw coupling
- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- For direct horizontal mounting to PCB with straight pins or vertical mounting to PCB with 90º pins
- Complete with panel sealing gasket

PX0839/IDC

- Screw coupling
- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- IDC blocks for discreet termination
- Complete with panel sealing gasket

PX0870

- Screw coupling
- Cat 5e shielded RJ45 interface
- Flange fixing
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- Version with earth wire available
- Complete with panel sealing gasket

PX0888

- Screw coupling
- Shielding back shell
- Maintains screening directly to panel
- Can is fixed to rear of panel mount connector
- For use on PX0833

SEALING CAPS

- Screw coupling
- Sealing caps to maintain IP68 rating of unmated connectors
- PX0835 - fits PX0834, PX0836-PX0838
- PX0733 - fits PX0833
- PX0711 - fits PX0839

USB Buccaneer® IP68 IP69K

PX0840/A	■ Screw coupling ■ Single ended sealed cable assembly ■ IP68 'A' type USB connector to standard 'B' type USB connector ■ Mates with all panel mounting styles ■ Available in 2m, 3m and 5m lengths
PX0840/B	■ Screw coupling ■ Single ended sealed cable assembly ■ IP68 'B' type USB connector to standard 'A' type USB connector ■ Mates with all panel mounting styles ■ Available in 2m, 3m and 5m lengths
PX0841/AB	■ Screw coupling ■ Double ended sealed cable assembly ■ IP68 'A' type USB connector to IP68 'B' type USB connector ■ Mates with all panel mounting styles ■ Available in 2m, 3m and 5m lengths
PX0842/A PX0842/B	■ Screw coupling ■ Front Panel Mounting Connector ■ PX0842/A - USB 'A' type IP68 connector ■ PX0842/B - USB 'B' type IP68 connector ■ Opposite connector to rear of panel ■ Mates with PX0840 and PX0841 cable connectors
PX0843/A PX0843/B	■ Screw coupling ■ Front Panel Mounting Connector ■ 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
PX0848/A PX0848/B	■ Screw coupling ■ Rear Panel Mounting Connector ■ 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
PX0849/A PX0849/B	■ Screw coupling ■ Rear Panel Mounting Connector ■ PX0849/A - USB 'A' type IP68 connector ■ PX0849/B - USB 'B' type IP68 connector ■ Leaded with 5 way header ■ Mates with PX0840 and PX0841 cable connectors
PX0845/A PX0845/B	■ Screw coupling ■ Rear Panel Mounting Connector ■ PX0845/A - USB 'A' type IP68 connector ■ PX0845/B - USB 'B' type IP68 connector ■ PCB contacts at rear ■ Mates with PX0840 and PX0841 cable connectors
PCB ADAPTOR LEADS	■ Screw coupling ■ Standard A and B type USB connectors to 5 way, 2.54mm, crimp adaptor leads ■ 5 way headers, 2.54mm pitch, horizontal or vertical mounting ■ For use with PX0842 & PX0848 types
PX0852	■ Screw coupling ■ 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.
SEALING CAPS	■ Screw coupling ■ 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

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bulgin a brand of Elektron Technology

FILTERS

Designed to reduce conducted mains borne EMI, this extensive range provides many solutions to EMI problems. To meet individual design requirements the filters are available with one standard filter circuit. Current ratings are from 1 to 10 amps with single or twin fused types also available.

The choice of mounting options will suit most applications with flange, snap to panel or base/bulkhead.

PS00	■ Flange Mounting ■ 1, 3, 6 or 10 Amp Current Rating ■ 2.8 or 6.3mm tabs	
PS01	■ Snap Fit for 1, 1.5, 2 or 3mm Panels ■ 1, 3, 6 or 10 Amp Current Rating ■ 2.8 or 6.3mm tabs	
PS02	■ Base Mounting ■ 1, 3, 6 or 10 Amp Current Rating ■ 2.8 or 6.3mm tabs	
PS03	■ Bulkhead Mounting ■ 1, 3, 6 or 10 Amp Current Rating ■ 2.8 or 6.3mm tabs	
PS20/A	■ Flange Mounting ■ 1, 3, or 6 Amp Current Rating ■ Fused ■ 2.8 or 6.3mm tabs	
PS21/A	■ Snap Fit for 1, 1.5, 2 or 3mm Panels ■ 1, 3, or 6 Amp Current Rating ■ Fused ■ 2.8 or 6.3mm tabs	
PS22/A	■ Panel Mounting ■ 3 or 6 Amp Current Rating ■ Fused ■ High Performance ■ 2.8 or 6.3mm tabs	
PS23/A	■ Snap Fit for 1, 1.5, 2 or 3mm Panels ■ 3 or 6 Amp Current Rating ■ Fused ■ High Performance ■ 2.8 or 6.3mm tabs	
PS25	■ Flange Mounting ■ 2 or 4 Amp Current Rating ■ Twin Fused ■ 2.8 or 6.3mm tabs	
PS26	■ Snap Fit for 1, 1.5, 2 or 3mm Panels ■ 2 or 4 Amp Current Rating ■ Twin Fused ■ 2.8 or 6.3mm tabs	

IEC CONNECTORS

A full range of quality mains rated connectors conforming to IEC and EN 60320 specifications carrying UL, CSA, VDE and other approvals. With electrical ratings up to 20A, 250V (UL) these connectors offer solutions to most mains powered applications. The combinations of

mounting styles and terminations include: flange fixing, snap to panel and PCB mounting together with 2.8/solder tabs, 4.8 and 6.3 faston tabs, screw terminal and PC spill versions. Completing the range are insulating boots, retaining clips and safety covers.

In addition to the standard black moulding, most styles are also available in either white or grey and special colours to match OEM equipment can also be supplied.

PX0587 ■ IEC C13 connector ■ Straight Female Connector ■ Cable Mounting ■ Rewirable ■ Screw Terminals ■ 10A, 250V ac	**PX0587/SE** ■ IEC C13 connector ■ Side Entry Female Connector ■ Cable Mounting ■ Rewirable ■ Screw Terminals ■ 10A, 250V ac	**PX0588** ■ IEC C13 connector ■ Angled Female Connector ■ Cable Mounting ■ Rewirable ■ Screw Terminals ■ 10A, 250V ac
PX0575 ■ IEC C14 inlet ■ Snap Fit to Panel ■ Fits Panel Sizes 1, 1.5, 2.0 or 3.0mm ■ 2.8, 4.8, 6.3mm Tabs or Screw Terminals ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PX0579** ■ IEC C14 inlet ■ Vertical Flange Mount Inlet ■ 2.8, 4.8, 6.3mm Tabs or Screw Terminals ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PX0580** ■ IEC C14 inlet ■ Flange Mount Inlet ■ 2.8, 4.8, 6.3mm Tabs or Screw Terminals ■ 10A, 250V ac (15A, 250V ac UL & CSA)
PX0580/PC ■ IEC C14 inlet ■ PC Flange Rear Mount Inlet ■ With or Without Rear Cover ■ PC Spills ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PF0001** ■ IEC C14 inlet ■ Flange Mount Fused Inlet ■ Single Fuse 5 x 20mm ■ Spare Fuse Facility ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac	**PF0011** ■ IEC C14 inlet ■ Snap Fit to Panel Fused Inlet ■ Single Fuse 5 x 20mm ■ Spare Fuse Facility ■ Panel Sizes 1, 1.5, 2.0 or 3.0mm ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac
PF0030 ■ IEC C14 inlet ■ Flange Mount Fused Inlet ■ Twin Fused 5 x 20mm ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac	**PX0597** ■ IEC C15 connector ■ Straight Female Connector ■ Cable Mounting ■ Hot Condition ■ Mates with PX0590 and PX0595 ■ Screw Terminals ■ 10A, 250V ac	**PX0590** ■ IEC C16 inlet ■ Flange Mount Inlet ■ Hot Condition ■ 2.8 or 6.3mm Tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)
PX0690 ■ IEC C18 inlet ■ Flange Mount Inlet ■ Two Pin Class II (No Earth Pin) ■ 2.8, 4.8, 6.3mm Tabs or Screw Terminals ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PF0006** ■ IEC C18 inlet ■ Flange Mount Fused Inlet ■ Single Fuse 5 x 20mm ■ Spare Fuse Facility ■ Two Pin Class II (No Earth Pin) ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac	**PX0685** ■ IEC Sheet E connector ■ Angled Male Connector ■ Cable Mounting ■ Four Position Cable Entry ■ Rewirable ■ Screw Terminals ■ 10A, 250V ac
PX0686 ■ IEC Sheet E connector ■ Straight Male Connector ■ Cable Mounting ■ Rewirable ■ Screw Terminals ■ 10A, 250V ac	**PX0686/SE** ■ IEC Sheet E connector ■ Side Entry Male Connector ■ Cable Mounting ■ Rewirable ■ Screw Terminals ■ 10A, 250V ac	**PX0716** ■ Inlet/Outlet combination ■ Panel Size1.2mm ■ 4.8mm tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)
PX0718 ■ Fused Inlet/Outlet combination ■ 1-6 outlet versions ■ Panel Size 1.5mm ■ Solder tabs ■ 10A, 250V ac (15A, 250V ac UL) ■ All terminals linked	**PX0717** ■ Snap Fit to Panel ■ 1-7 outlet versions ■ Panel Size 1.5mm ■ Solder Tabs ■ 10A, 250V ac (15A, 250V ac UL) ■ All Terminals Linked	**PX0578/63** ■ Front of Panel Mount ■ 6.3mm tabs ■ 10A, 250V ac (15A, 250V ac UL)
PX0675 ■ IEC Sheet F outlet ■ Flange Mount Outlet ■ 2.8mm or 6.3mm Tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PX0695** ■ IEC Sheet F outlet ■ Snap Fit to Panel Outlet ■ Panel Sizes 1, 1.5, 2.0 or 3.0mm ■ 2.8 or 6.3mm Tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PX0695/PC** ■ IEC Sheet F outlet ■ PC Snap Fit to Panel Outlet ■ Panel Sizes 1, 1.5, 2.0 or 3.0mm ■ PC Spills ■ 10A, 250V ac (15A, 250V ac UL & CSA)
PX0793 ■ IEC Sheet F outlet ■ Flange Mount Outlet ■ Shuttered ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PX0793/1** ■ IEC Sheet F outlet ■ Rectangular Flange Mount Outlet ■ Shuttered ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)	**PX0705** ■ IEC Sheet F outlet ■ Flange Mount Outlet ■ Two Pin Class II (No Earth Pin) ■ 2.8, 4.8 or 6.3mm Tabs ■ 10A, 250V ac (15A, 250V ac UL & CSA)
RETAINING CLIP KITS ■ Prevents Accidental Removal ■ Fits flanged inlets	**BLANKING COVERS** ■ Blanking covers ■ For Sheet F and Sheet J connectors ■ Protects 'unshielded' connector interfaces against accidental electric shock	**INSULATION BOOTS** ■ PVC Insulation Boots ■ For Sheet C14 (fused and unfused), Sheet F and Sheet C20 ■ Protects Rear of Connector ■ Protects Against Accidental Electric Shock

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PX0599	■ IEC C19 connector ■ Rewirable Screw Terminals ■ 12mm max. cable diameter ■ 16A, 250V ac (20A, 250V ac UL and CSA)
PX0596	■ IEC C20 inlets ■ Flange mounting ■ 6.3 or 4.8mm tabs ■ 16A, 250V ac (20A, 250V ac UL and CSA)
PX0598	■ IEC C20 inlets ■ Snap to panel (1.0, 1.5, 2.0 or 3.0mm) ■ 6.3 or 4.8mm tabs ■ 16A, 250V ac (20A, 250V ac UL and CSA)
PX0591	■ IEC Sheet J outlet ■ Flange Mounting ■ 6.3mm Tabs ■ 16A, 250V ac (20A, 250V ac, UL & CSA)
PX0592	■ IEC Sheet J outlet ■ Snap Fit to Panel ■ Panel Size 1.5mm ■ 6.3mm Tabs ■ 16A, 250V ac (20A, 250V ac, UL & CSA)
PX0593	■ IEC Sheet J outlet ■ Flange Mounting (front of panel) ■ 6.3mm Tabs ■ 16A, 250V ac (20A, 250V ac, UL & CSA)

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POLYSNAP

With over 26,000 combinations Bulgin's Polysnap mains power inlet modules offer a very adaptable and flexible solution to panel design.

Polysnap allow combinations of mains inlets and outlets, filtered inlets, switches, fuseholders, voltage selectors and indicators mounted in either horizontal or vertical format

bezels ready for quick snap-fit assembly. The compact design occupies the minimum of panel area and a single rectangular mounting hole, offering easy installation for this mains power entry module.

To complement Polysnap the Polyflange range offers a flange fixing alternative for designers who prefer the security of screw fixing.

All types and variations are available through Bulgin's extensive distribution network.

BZV01/Z0000/01	■ Vertical Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Single Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BZV01/Z0000/10	■ Vertical Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Double Pole Switch or Indicator Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BZV03/Z0000/02	■ Vertical Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Single Pole Switch or Neon Indicator Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Non Fused
BZV45/Z0000/02	■ Outlet with 2.8mm or 6.3mm tags ■ Shuttered or Non-Shuttered ■ Single Pole Switch or Neon Indicator ■ Options of I/O marked switches
BZV03/Z0000/07	■ Vertical Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Double Pole Switch/Fuseholder/Indicator/Voltage Selectors/Blanking Plate ■ Filtered Inlet Option ■ Options of I/O marked switches
BZV04/Z0000/04	■ Vertical Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Fuseholder/Voltage Selector/Indicator/Blanking plate options ■ Filtered Inlet Option
BZV49/Z0000/C1U	■ Inlet with 4.8mm or 6.3mm tags ■ Single pole circuit breaker ■ Illuminated (red or green) and non-illuminated rocker switch ■ 125Vac and 250Vac Neons ■ 6.3mm tabs on Circuit Breaker
BZV09/Z0000/04	■ Vertical Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Filtered Inlet and Blanking Plate options ■ Fused
BZV49/Z0000/69	■ C20 inlet with 4.8mm or 6.3mm tags ■ Single Pole Switch marked I/O ■ Illuminated, red or green, switches ■ High inrush non-illuminated switch
BZH09/Z0000/01	■ Horizontal Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Single Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches
BZH01/Z0000/01	■ Horizontal Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Single Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BZH01/Z0000/10	■ Horizontal Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Double Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BZM27/Z0000/57B	■ Minimum Combined Bezel Size ■ Horizontal Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Single and Double Pole Switch Variations ■ Filtered Inlet Option
BZH11/Z0000/10	■ Horizontal Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Double Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches
BZH11/Z0000/00	■ Horizontal Module Arrangement ■ Inlet Variations with choice of tag sizes ■ Filtered Inlet Option ■ Fused
BVA01/Z0000/10	■ Screw Fixing to Panel ■ Vertical Module Arrangement ■ Top/Bottom Fixing ■ Inlet Variations with choice of tag sizes ■ Double Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BVA01/Z0000/02	■ Screw Fixing to Panel ■ Vertical Module Arrangement ■ Top/Bottom Fixing ■ Inlet Variations with choice of tag sizes ■ Single Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BVB01/Z0000/01	■ Screw Fixing to Panel ■ Vertical Module Arrangement ■ Side Fixing ■ Inlet Variations with choice of tag sizes ■ Single Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
BVB01/Z0000/11	■ Screw Fixing to Panel ■ Vertical Module Arrangement ■ Side Fixing ■ Inlet Variations with choice of tag sizes ■ Double Pole Switch Variations ■ Filtered Inlet Option ■ Options of I/O marked switches ■ Fused
EMI FILTER OPTIONS	■ Wide choice of EMI filter options ■ Filter options for all inlet and fused inlets

FUSEHOLDERS

Bulgin's extensive range of fuseholders are designed to give the degree of protection demanded in today's sophisticated electronic equipment. Carrying world-wide safety approvals from UL, VDE, CSA and IMQ, all types are manufactured from high grade flame retardant nylon and polyester materials.

Designed primarily for 5 x 20mm and 6.3 x 32mm size fuses with protection against shock to categories PC1, PC2 and PC3. There's a choice of styles for in-line, PCB mounting and panel mounting (screw or snap fit) with terminal options for solder, 2.8mm, 4.8mm or 6.3mm tabs or PC spills.

Dust and waterproof designs provide a front of panel seal up to IP68 in both 5 x 20mm and 6.3 x 32mm size fuses.

Fuse carrier styles include captive drawer, screw cap - with screw driver release, bayonet cap - with screw driver release and screw cap - with finger release.

Product	Features	Product	Features	Product	Features

FX0415, FX0416	■ Panel Mount
	■ Touchproof Category PC2
	■ Fuse Sizes 6.3 x 32mm (FX0415) and 6.3 x 25mm (FX0416)
	■ Screw Cap/Hand Release
	■ 13A, 250V
	  16A, 250V UL
		FX0415/S, FX0416/S	■ Panel Mount
			■ Touchproof Category PC2
			■ Fuse Sizes 6.3 x 32mm (FX0415/S) and 6.3 x 25mm (FX0416/S)
			■ Screw Cap/Screwdriver Release
			■ 13A, 250V
			  16A, 250V UL
				FX0417, FX0418	■ Panel Mount or Snap Fit
					■ Panel Sizes 1.0 & 1.5 and 2.0 & 3.0mm
					■ Touchproof Category PC2
					■ Fuse Size 6.3 x 32mm
					■ Screw Cap/Screwdriver Release
					■ 16A, 250V. 20A, 250V UL

FX0419	■ Panel Sealed to IP68
	■ Touchproof Category PC2
	■ Fuse Size 6.3 x 32mm
	■ Screw Cap/Screwdriver/Hand Release
	■ 16A, 250V
	  (20A, 250V UL pending)
		FX0430	■ Snap Fit to Panel
			■ Panel Sizes 1.0, 1.5, 2.0 and 3.0mm
			■ Touchproof Category PC3
			■ Fuse Size 5 x 20mm
			■ Captive Drawer
			■ 10A, 250V
			  16A, 250V UL
				FX0460	■ Panel Mount
					■ Touchproof Category PC3
					■ Fuse Size 5 x 20mm
					■ Screw Cap/Screwdriver Release
					■ 10A, 250V
					  16A, 250V UL

FX0357, FX0359	■ Panel Mount
	■ Touchproof Category PC2
	■ Fuse Size 5 x 20mm
	■ Bayonet Cap/Screwdriver Release
	■ 10A, 250V
	  16A, 250V UL
		FX0367, FX0369	■ Snap Fit to Panel
			■ Panel Sizes 1.0 & 1.5 and 2.0 & 3.0mm
			■ Touchproof Category PC2
			■ Fuse Size 5 x 20mm
			■ Bayonet Cap/Screwdriver Release
			■ 10A, 250V
			  16A, 250V UL
				FX0454, FX0455	■ Panel Mount
					■ Touchproof Category PC2
					■ Fuse Size 5 x 20mm
					■ Screw Cap/Screwdriver Release
					■ 10A, 250V
					  16A, 250V UL

FX0454/S, FX0455/S	■ Panel Mount
	■ Touchproof Category PC2
	■ Fuse Size 5 x 20mm
	■ High Profile Bezel
	■ Screw Cap/Screwdriver Release
	■ 10A, 250V
	  16A, 250V UL
		FX0458	■ Snap Fit to Panel
			■ Panel Sizes 1.0 & 1.5 and 2.0 & 3.0mm
			■ Touchproof Category PC2
			■ Fuse Size 5 x 20mm
			■ Screw Cap/Screwdriver Release
			■ 10A, 250V
			  16A, 250V UL
				FX0354, FX0354/S	■ Panel Mount
					■ Low & High Profile Bezels
					■ Touchproof Category PC2
					■ Fuse Size 5 x 20mm
					■ Screw Cap/Screwdriver Release
					■ 6.3A, 250V

FX0462, FX0463	■ Panel Sealed to IP68 ■ Touchproof Category PC2 ■ Fuse Size 5 x 20mm ■ Screw Cap/Screwdriver/Hand Release ■ 10A, 250V (16A, 250V UL pending)	FX0296/S, FX0296	■ Panel Mount ■ Category PC1 ■ Fuse Size 5 x 20mm ■ Screw Cap/Hand Release ■ 6.3A, 250V	FX0296/1	■ Panel Mount ■ Category PC1 ■ Fuse Sizes 5 x 20mm ■ Screw Cap/Hand Release ■ 6.3A, 250V
FX0345	■ High Profile Panel Mount ■ Sealed to IP66 ■ Category PC1 ■ Fuse Sizes 5 x 20mm ■ Screw Cap/Screwdriver Release ■ 6.3A, 250V	FX0365	■ High Profile Panel Mount ■ Sealed to IP66 ■ Category PC1 ■ Fuse Sizes 5 x 20mm ■ Screw Cap/Hand Release ■ Large Cap for Easy Grip ■ 6.3A, 250V	FX0461	■ PC Horizontal Mount ■ Touchproof Category PC3 ■ Fuse Size 5 x 20mm ■ Screw Cap/Screwdriver Release ■ PC Spills ■ 10A, 250V 16A, 250V UL
FX0457, FX0456	■ PC Horizontal and Vertical Mount ■ Touchproof Category PC2 ■ Fuse Sizes 5 x 20mm ■ Bayonet Cap/Screwdriver Release ■ 10A, 250V	FX0330, FX0342	■ PC Horizontal Mount ■ Two or Three PC Spills ■ Category PC1 ■ Fuse Sizes 5 x 20mm ■ Screw Cap/Hand Release ■ 6.3A, 250V	FX0442 & FX0443	■ Provide Insulation from Shock on Rear of Fuseholder ■ PVC ■ UL94V-0 Rated Flame Retardant Material

FX0321 & FX0267	■ PC or Base Mount
	■ Category PC1
	■ Fuse Sizes 5 x 20mm
	■ PC Spills - FX0321
	■ Solder Tags - FX0267
	■ 6.3A, 250V
		FX0326, FX0331, FX0360	■ Base Mount
			■ Category PC1
			■ Fuse Sizes:
			  6.3 x 32mm (FX0326)
			  6.3 x 25mm (FX0331)
			  5 x 20mm (FX0360)
			■ 13A, 250V (FX0326 & FX0331)
			■ 6.3A, 250V (FX0360)
				FX0327	■ Base Mount
					■ Category PC1
					■ Fuse Sizes 6.3 x 32mm
					■ 5A, 250V

FX0180, FX0280, FX0380	■ In-Line ■ Category PC1 ■ Fuse Sizes 5 x 20mm, 6.3 x 25mm and 6.3 x 32mm ■ 10A, 50V (250V Inaccessible)	FX0185, FX0285, FX0385	■ In-Line ■ Sealed to IP66 ■ Category PC1 ■ Fuse Sizes 5 x 20mm, 6.3 x 25mm and 6.3 x 32mm ■ Screw Terminal (Solder to order) ■ 10A, 50V (250V Inaccessible)		

Manufactured from Stainless Steel, Bulgin's extensive range of vandal resistant security switches are designed with a high resistance to wear and tear, corrosion and harsh use in potentially hostile environments such as access control applications.

The front and rear panel mounted versions have three profiles – prominent, domed and low profile – with a
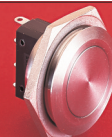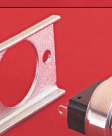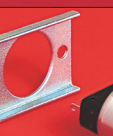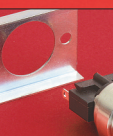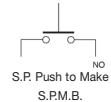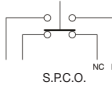
choice of switching and IP66 & 68 front panel sealing that, combined together, meet the ergonomic, electrical and environmental demands of switch panel design. The low profile style switches are now also available with a latching, push on - push off, action.

The dot and ring LED illuminated versions can be driven from 6, 12 and 24V sources, with a variety of illumination

colours and are now available with front and rear of panel sealing options.

Other switch types include conventional push-button and voltage selectors.

Vandal Resistant Switches

MP0027, MPL027 ■ Low profile ■ Stainless steel ■ 28mm dia ■ SPCO Microswitch, 5A 250V (momentary) ■ SPMB, 2A 50V (latching) ■ Mounting hole dia, 26mm	**MP0027/2** ■ Prominent button ■ Stainless steel ■ 28mm dia ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 26mm	**MP0027/3** ■ Domed Profile ■ Stainless steel ■ 28mm dia ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 26mm
MP0038, MPL038 IP66 ■ Low profile ■ Stainless steel ■ 28mm dia ■ SPCO Microswitch, 5A 250V (momentary) ■ SPMB, 2A 50V (latching) ■ Mounting hole dia, 26mm ■ Front panel sealed to IP66	**MP0038/2** IP66 ■ Prominent button ■ Stainless steel ■ 28mm dia ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 26mm ■ Front panel sealed to IP66	**MP0038/3** IP66 ■ Domed Profile ■ Stainless steel ■ 28mm dia ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 26mm ■ Front panel sealed to IP66
MP0025, MPL025 ■ Flush with panel ■ Rear panel fixing ■ 23mm dia ■ Stainless steel ■ SPCO Microswitch, 5A 250V (momentary) ■ SPMB, 2A 50V (latching) ■ Mounting hole dia, 23mm	**MP0025/2** ■ Prominent button ■ Rear panel fixing ■ 23mm dia ■ Stainless steel ■ SPCO Microswitch, 5A 250V (momentary) ■ Mounting hole dia, 23mm	**MP0025/3** ■ Domed Profile ■ Rear panel fixing ■ 23mm dia ■ Stainless steel ■ SPCO Microswitch, 5A 250V (momentary) ■ Mounting hole dia, 23mm
MP0034, MPL034 ■ Flush with panel ■ Rear panel fixing ■ 19mm dia ■ Stainless steel ■ SPCO Microswitch, 5A 250V (momentary) ■ SPMB, 2A 50V (latching) ■ Mounting hole dia, 19mm	**MP0034/2** ■ Prominent button ■ Rear panel fixing ■ 19mm dia ■ Stainless steel ■ SPCO Microswitch, 5A 250V (momentary) ■ Mounting hole dia, 19mm	**MP0034/3** ■ Domed Profile ■ Rear panel fixing ■ 19mm dia ■ Stainless steel ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 19mm
MP0031, MPL031 IP66 ■ Low profile ■ Stainless steel ■ 22mm dia ■ SPCO Microswitch, 5A 250V (momentary) ■ SPMB, 2A 50V (latching) ■ Mounting hole dia, 19mm ■ Front panel sealed to IP66	**MP0031/2** IP66 ■ Prominent button ■ Stainless steel ■ 22mm dia ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 19mm ■ Front panel sealed to IP66	**MP0031/3** IP66 ■ Domed Profile ■ Stainless steel ■ 22mm dia ■ SPCO Microswitch, 5A 250V ■ Mounting hole dia, 19mm ■ Front panel sealed to IP66
MP0037 IP68 ■ Low profile ■ Stainless steel ■ 22mm dia ■ SP push to make switch, 1A 50V, screw terminals ■ Mounting hole dia, 19mm ■ Front panel sealed to IP68	**MP0037/2** IP68 ■ Prominent button ■ Low profile ■ Stainless steel ■ 22mm dia ■ SP push to make switch, 1A 50V, screw terminals ■ Mounting hole dia, 19mm ■ Front panel sealed to IP68	**MP0037/3** IP68 ■ Domed Profile ■ Low profile ■ Stainless steel ■ 22mm dia ■ SP push to make switch, 1A 50V, screw terminals ■ Mounting hole dia, 19mm ■ Front panel sealed to IP68
MP0013, MP0033 ■ Proud fitting ■ Stainless steel ■ 22mm dia ■ SP Push to make switch 1A 50V, screw terminals ■ Mounting hole dia, 19mm ■ MP0033 internally sealed	**MP0013/2, MP0033/2** ■ Proud fitting ■ Prominent button ■ Stainless steel ■ 22mm dia ■ SP Push to make switch 1A 50V, screw terminals ■ Mounting hole dia, 19mm ■ MP0033/2 internally sealed	**Switch Contact Operation**
MP0050 IP66 ■ Low profile or prominent button ■ Stainless steel ■ 32mm dia ■ SP Push to make ■ 5A, 250Vac ■ Mounting hole dia, 27.7mm ■ Front panel sealed to IP68	**MPD031** IP66 ■ Low profile ■ Stainless steel ■ 22mm dia ■ D.P.C.O. Microswitch ■ 3A, 125V ac ■ Mounting hole dia, 19mm ■ Front panel sealed to IP66	

Switch Contact Operation

S.P. Push to Make — S.P.M.B.

S.P.C.O.

D.P.C.O.

S.P.C.O.

Illuminated Versions

MPI001 IP66 ■ Dot illumination ■ Screw terminals or 2.8mm tabs ■ Front panel sealed to IP66 ■ Red, Green, Amber, Blue, White, Red/Green, Red/Blue & Blue/Green LED's ■ 2, 6, 12 & 24V illumination ■ 22mm dia ■ SP push to make	**MPI002** IP66 ■ Ring illumination ■ Screw terminals or 2.8mm tabs ■ Front panel sealed to IP66 ■ Red, Green, Amber, Blue, White, Red/Green, Red/Blue & Blue/Green LED's ■ 2, 6, 12 & 24V illumination ■ 22mm dia ■ SP push to make	**MPI002/FL/XX/X** IP66 ■ Dot or ring illumination ■ Flying lead or solder tag termination ■ 22mm diameter ■ Front and rear panel seal to IP66 ■ 2, 6, 12 & 24V illumination ■ Red, Green, Amber, Blue and White illumination ■ Single pole push to make

INDICATORS

This range of panel mounting LED indicators consists of many different bezel styles, types of LED's and colours. The range has developed to meet the many different needs of panel design

including IP66 environmentally sealed versions for use where a front panel seal is needed. The vandal resistant LED indicators are designed to complement the vandal resistant switches, they

have similar profiles with stainless steel bodies, sealing to IP67 and are built to withstand harsh environments.

DX0505 & DX0507	■ Proud of Panel Profile ■ Solder Tag/2.8mm Tag or Flying Lead Termination ■ Sealed to IP67 **IP67** ■ Red, Green, Yellow, Blue or White LED Options ■ Wide Viewing Angle ■ Vandal Resistant
DX0506 & DX0508	■ Flush Panel Profile ■ Solder Tag/2.8mm Tag or Flying Lead Termination ■ Sealed to IP67 **IP67** ■ Red, Green, Yellow, Blue or White LED Options ■ Wide Viewing Angle ■ Vandal Resistant
DX0998 DX0999	■ 5mm LED Indicators ■ Chrome Plated Brass Bezel ■ Prominent or Recessed Style ■ Choice of LED Types and Colours
DX1120 DX1121	■ 5mm LED Indicators ■ Glass Filled Nylon Bezel ■ Prominent or Recessed Style ■ Choice of LED Types and Colours
DX1090 DX1092	■ 5mm LED Indicators ■ Aluminium Bezel, Black Anodised Finish ■ IP66 Front Panel Sealed **IP66** ■ Prominent or Recessed Style ■ Choice of LED Types and Colours
DX1091 DX1093	■ 5mm LED Indicators ■ Aluminium Bezel, Clear Anodised Finish ■ IP66 Front Panel Sealed **IP66** ■ Prominent or Recessed Style ■ Choice of LED Types and Colours
DX1116 DX1118	■ 4mm LED Indicators ■ Chrome Plated Brass Bezel ■ Prominent or Recessed Style ■ Choice of LED Types and Colours
DX1117 DX1119	■ 4mm LED Indicators ■ Black Nickel Plated Brass Bezel ■ Prominent or Recessed Style ■ Choice of LED Types and Colours

GENERAL PURPOSE

This long established series of connectors still find many uses where small, but lower current connections are needed. The range consists of

circular and rectangular styles with 3, 4, 6 and 8 poles, in a choice of configurations, with current ratings up to 6 Amps. The 8 pole round has

become the standard connector for the disco and lighting industry and is available in cable and chassis mounting versions.

PX0551	■ Flex Mount Male Circular Connector ■ 8 Poles ■ Mates with PX0552, PX0552/PC, PX0956/S and PX0957/S ■ Screw Terminals ■ 6A, 250V ac (per Pin)
PX0552	■ Panel Mount Female Circular Outlet ■ 8 Poles ■ Mates with PX0551 ■ 4.8mm Tabs ■ 6A, 250V ac (per Pin)
PX0552/PC	■ PC Panel Mount Female Circular Outlet ■ 8 Poles ■ Mates with PX0551 ■ PC Spills ■ 6A, 250V ac (per Pin)
PX0956/S	■ Flex Mount Female Circular Connector ■ 8 Poles ■ Mates with PX0551, PX0959/P and PX0959/P/PC ■ Screw/Solder Terminals ■ 6A, 250V ac (per Pin)
PX0957/S	■ Panel Mount Female Circular Outlet ■ 8 Poles ■ Mates with PX0551 ■ 4.8mm Tabs ■ 6A, 250V ac (per Pin)
PX0959/P, PX0959/P/PC	■ Panel Mount Male Circular Inlet ■ 8 Poles ■ Mates with PX0956/S ■ Solder bucket or PC spills ■ 6A, 250V ac (per Pin)
PX0429	■ Circular Inlet ■ 2 Pole + Earth ■ Mates with PX0430/SE and PX0646 ■ Key to Ensure Correct Polarity ■ Solder Tags ■ 3A, 250V ac
PX0430/SE	■ Cable Connector ■ 2 Pole + Earth ■ Mates with PX0429 ■ Key Way to Ensure Correct Polarity ■ Solder Tags ■ 3A, 250V ac
PX0646	■ Circular Connector ■ 2 Pole + Earth ■ Mates with PX0429 ■ Key Way to Ensure Correct Polarity ■ Solder Tags ■ 3A, 250V ac
PX0635	■ Circular Male Inlet ■ 6 Pole ■ Mates with PX0636 ■ Key to Ensure Correct Polarity ■ Solder Buckets ■ 3A, 50V ac
PX0636	■ Circular Female Connector ■ 6 Pole ■ Mates with PX0635 ■ Key Way to Ensure Correct Polarity ■ Solder Tags ■ 3A, 50V ac
SA2403 (3 POLE) SA2367 (4 POLE)	■ Cable Male Connector ■ Mates with SA2404 (3 pole) and SA2368 (4 pole) ■ Key to Ensure Correct Polarity ■ Screw Terminals ■ 3A, 250V ac
SA2404 (3 POLE) SA2368 (4 POLE)	■ Circular Female Outlet ■ Mates with SA2403 (3 pole) and SA2367 (4 pole) ■ Key Way to Ensure Correct Polarity ■ Solder Buckets ■ 3A, 250V ac
PX0649	■ Circular Male Connector ■ 2 Pole + Earth ■ Mates with PX0650 ■ Solder Buckets ■ 3A, 250V ac
PX0650	■ Circular Female Outlet ■ 2 Pole + Earth ■ Mates with PX0649 ■ Solder Tags ■ 3A, 250V ac

BATTERY HOLDERS

Manufactured from quality mouldings and metal components to ensure a secure and reliable connection, Bulgin's battery holder range caters for battery sizes; AAA(R03), AA(R6), C(R14), D(R20), PP3(6R61) and CR123, accommodating 1, 2, 3 or 4 cells.

There's a choice of fixing styles including screw and flange panel fixing, PCB and base mounting versions.

The panel mounting versions are now available in two styles; standard fixing and front panel sealed to IP67, extending the applications into harsher external environments where dust or water would inhibit equipment operation.

The open frame styles are designed to be either PCB or base mounted and most have an interlocking facility to join adjacent holders together.

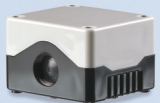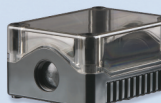Principle applications include portable equipment and memory back-up.

BXS011/1 ■ Battery size AA (R6) ■ 1, 2 or 3 Cells ■ Flanged Panel Mount ■ Bayonet with finger/coin slot release ■ Front Panel Sealed to IP67	**BXS001/1** ■ Battery size C (R14) ■ 1, 2 or 3 Cells ■ Panel Mount ■ Screw cap/hand release ■ Front Panel Sealed to IP67	**BXS016** ■ Battery size D (R20) ■ 1, 2 or 3 Cells ■ Flanged Panel Mount ■ Bayonet/finger release ■ Front Panel Sealed to IP67
BX0011/1 ■ Battery size AA (R6) ■ 1, 2 or 3 Cells ■ Panel Mount ■ Bayonet/Screwdriver release	**BX0001/1** ■ Battery size C (R14) ■ 1, 2 or 3 Cells ■ Panel Mount ■ Screw Cap/Hand release	**BX0016** ■ Battery size D (R20) ■ 1, 2 or 3 Cells ■ Flanged Panel Mount ■ Bayonet/Screwdriver release
BX0027 ■ Battery size AA (R6) ■ 4 Cells ■ Flanged Panel Mount ■ Drawer function	**BX0023** ■ Battery size PP3 (6R61) ■ 1 Cell ■ Flanged Panel Mount ■ Drawer function	**BX0026** ■ Battery size PP3 (6R61) ■ 2 Cells ■ Flanged Panel Mount ■ Drawer function
BX0034 ■ Battery size AAA (R03) ■ 1 Cell ■ PC/Base Mount ■ Open style	**BX0035** ■ Battery size AA (R6) ■ 1 Cell ■ PC/Base Mount ■ Open style	**BX0036** ■ Battery size C (R14) ■ 1 Cell ■ PC/Base Mount ■ Open style
BX0037 ■ Battery size D (R20) ■ 1 Cell ■ PC/Base Mount ■ Open style	**BX0033** ■ Battery size PP3 (6R61) ■ 1 Cell ■ PC/Base Mount ■ Open style	**BX0123** ■ Battery size CR123 ■ 1 Cell ■ PC/Base Mount ■ Open style

![bulgin logo] **bulgin** a brand of Elektron Technology

ENCLOSURES

A range of IP67 rated enclosures designed for electronics and control station applications. Manufactured in UL94V-0 rated polycarbonate and UL94-HB rated ABS. The three sizes are suitable for mounting one, two or three 22mm components and can be supplied with or without mounting holes. The enclosures are available in black and grey as standard with the option of yellow and transparent lids. Each enclosure also has two M20 pre-formed knock-outs that can be used with the standard cable glands. Other accessories include a combination mounting foot for use on TS32 & TS35 DIN rail and separate mounting brackets for wall mounting.

SIZE 1 ENCLOSURE ■ Option for 1 x 22mm hole in lid ■ 80 x 72 x 53mm ■ 2 threaded knock-outs suitable for M20 glands ■ ABS or Flame Retardant Polycarbonate ■ Grey or black base ■ Transparent, smoked grey, black, grey or yellow lid	**SIZE 2 ENCLOSURE** ■ Option for 2 x 22mm hole in lid ■ 80 x 106 x 53mm ■ 2 threaded knock-outs suitable for M20 glands ■ ABS or Flame Retardant Polycarbonate ■ Grey or black base ■ Transparent, smoked grey, black, grey or yellow lid	**SIZE 3 ENCLOSURE** ■ Option for 3 x 22mm hole in lid ■ 80 x 159 x 53mm ■ 2 threaded knock-outs suitable for M20 glands ■ ABS or Flame Retardant Polycarbonate ■ Grey or black base ■ Transparent, smoked grey, black, grey or yellow lid
ACCESSORIES ■ Combifoot rail mounting accessory to fit TS32 & TS35 DIN rail ■ Snap fixing	**ACCESSORIES** ■ Wall mounting bracket ■ Snap fixing	**ACCESSORIES** ■ Cable glands ■ M20 thread ■ Cable range - 3.5 to 8mm ■ Available in black or grey

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V1.1