



Shortform Catalogue





# EXPlora Series

The EXPlora range is most suited to manufacturers of ancillary electrical equipment such as motors, pumps and lighting equipment. These operate in ATEX Zone 2 environments where hazardous or explosive atmospheres can be caused by flammable gases, vapours or combustible dusts.

## Quick Points

### Power

- Quick start thread coupling
- ATEX Zone 2 Certified
- 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

## Body style & part

### Power

- Flex Connector** - EXP-0911, EXP-A911
- Flex In-line** - EXP-0921, EXP-A921
- Panel Mount** - EXP-0931
- Panel Mount (with Flange)** - EXP-0941

## Industries

Industrial - Oil & Gas

## The Range



EXP-0911



EXP-A911



EXP-0921



EXP-A921



EXP-0931



EXP-0941



EXP-0990  
EXP-0991  
EXP-0992

# 900 Series

Our most high powered connector in the Buccaneer range capable of up to 32A, 600V ac/dc rating. Sealed up to IP68, the 900 Series features a secure screw thread lock to ensure robust high voltage connections.

## Quick Points

### Power

- Quick 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

## Body style & part

### Power

- Flex Connector** - PX0911, PXA911
- Flex In-line** - PX0921, PXA921
- Panel Mount** - PX0931
- Panel Mount (with Flange)** - PX0941

## Industries

Renewable - Recreation & Leisure - Marine - Automotive

## The Range



PX0911



PXA911



PX0921



PXA921



PX0931



PX0941



PX0950



PX0990  
PX0991  
PX0992

# Standard Series

Tried and tested, the Standard Buccaneer is one of our most popular waterproof connectors in the industry today. IP66, IP68 and IP69K rated, these power and data connectors have been designed into a wide range of markets such as Industrial and Marine, setting the gold standard for dust and waterproof circular connectors.

## Quick Points

### Power

- Screw coupling
- Poles 2, 3, 4, 6, 7, 9, 12, 25
- Plug or Socket
- 1-12 Amp, 50-250V ac/dc
- 3.5-9mm cable acceptance
- Overall diameter 38mm

### Data - Ethernet Buccaneer

- Screw coupling
- 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

### Data - USB Buccaneer

- Screw coupling
- Available in various different A, B configurations
- Available in 2m, 3m and 5m lengths

## Industries

Data & Telecoms  
Industrial  
Transport & Infrastructure

## Body Style & Part

### Power

Flex Connector PX0731

Flex In-line PX0732

Prewired Flex Connector PX0700

Front Panel Mount PX0730/P

Rear Panel Mount PX0709

PCB Mount PX0707

Sealing Cap Accessory  
PX0734, PX0733

### Data - Ethernet Buccaneer

Ethernet Patch Cord Flex Connector  
PX0836, PX0837, PX0838

Ethernet Re-wireable Flex Connector  
PX0834

Ethernet Panel Mount PX0833

Ethernet Flanged Panel Mount PX0870

Ethernet PCB Mount PX0839

Shield Back Shell Accessory PX0888

### Data - USB Buccaneer

Sealed USB Cables - Single Ended  
PX0840

Sealed USB Cables - Double Ended  
PX0841

USB Front Panel Mount PX0842

USB Panel Mount with lead PX0844

USB Rear Panel Mount PX0848

## The Range



# 400 Series

A compact and versatile connector within the Buccaneer range, the 400 series is ideal for designs requiring a small footprint. Taking a selection of great features and specifications from the larger Buccaneer family, the 400 series condenses them into a compact form factor giving engineers greater flexibility.

## Quick Points

### Power

- Screw coupling
- Flex Cable Connector
- 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

### Data (Mini USB)

- Screw coupling
- Single ended sealed cable assembly
- Fully overmoulded construction (Flex Connector)
- Available in 2, 3 & 4.5m lengths
- 5 way crimp, for use with PC header or rear panel mounting connector with leaded 5 way header (leaded panel mount versions)

### Data (SMB & Wireless Antenna)

- Screw coupling
- Single ended sealed cable assembly
- Fully overmoulded construction (Flex Connector)
- Available in 2, 3 & 4.5m lengths
- 5 way crimp, for use with PC header or rear panel mounting connector with leaded 5 way header (leaded panel mount versions)

## Industries

- Industrial
- Marine
- Automotive
- Medical

## Body Style & Part

### Power

Flex Connector PX0410

Flex In-line PX0411

Prewired Flex Cable Connector  
PX0400, PX0401, PX0402

Panel Mount  
PX0412, PX0413

Sealing Cap Accessory  
PX0480, PX0480/1,  
PX0481, PX0484

### Data (Mini USB)

Flex Connector Standard & Mini A to B  
PX0441, PX0442

Flex Connector Mini B to Standard A  
or Mini A  
PX0444

Front Panel Mount Mini B type or  
Mini AB type  
PX0443, PX0456

Rear Panel Mount Mini B type or  
Mini AB type  
PX0446, PX0457

Rear Panel PCB Mount Mini B type or  
Mini AB type  
PX0447, PX0458

### Data (SMB & Wireless Antenna)

Re-Wireable Flex Connector  
PX0415/1

Pre - Wireable Flex Connector  
PX0416

Panel Mount  
PX0414

Sealing Cap  
PX0480, PX0481, PX0485

Rear Panel PCB Mount Mini B type or Mini  
AB type  
PX0480 PX0480/1 PX0481 PX0484

SMB Antenna  
PX0407, PX0408, PX0409

SMB 90 Degree Angled Antenna  
PX0407/90, PX0408/90, PX0409/90

## The Range





# 6000 Series

Designed and independently tested to IP66, IP68 & IP69K standards, the rapid twist lock 6000 series connectors are ideal for applications where ingress of dust and water must be avoided and where ease of connection, space and appearance are important requirements.

## Quick Points

### Power

- Metal & Plastic versions
- 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

### Data (Ethernet)

- Plastic & Metal versions
- Push/pull coupling
- Re-wireable flex Cable Connector
- Two versions:
  - for PE and PUR jacket cable
- Supplied with shielded RJ45
- Sealed through panel
- Cat 5e shielded coupler
- Standard patchcord can be plugged into rear
- Version with earth wire available

### Data (USB)

- Plastic version Only
- Push/pull coupling
- Single and double ended sealed cable assembly
- Flex connector available in 2m, 3m and 5m lengths
- Leaded with 5 way crimp connector (lead version only).

## Industries

- Marine
- Automotive
- Renewable
- Recreation & Leisure

## Body Style & Part

### Power

**Flex Connector** PXP6010, PXM6010

**Flex In-line** PXP6011, PXM6011

**Panel Mount** PXP6012, PXM6012

**Sealing Cap Accessory** PXP6081, PXM6081  
PXP6082, PXM6082  
PXP6083, PXM6083

### Data (Ethernet & USB)

**Ethernet Flex Connector** PXP6034, PXM6034

**Ethernet Panel Mount** PXP6033TP, PXM6033TP

**Ethernet Overmoulded Flex** PXP6037, PXP6038

**USB A/B Flex Connector** PXP6040, PXM6041

**USB Panel Mount** PXP6042

**USB Panel Mount with lead** PXP6043

## The Range



PXM6010



PXM6011



PXM6012



PXP6010



PXP6011



PXP6012



PXM6034



PXM6033



PXM6082  
PXM6083  
PXM6084



PXP6082  
PXP6083  
PXP6084



PXP6037



PXP6034



PXP6033



PXM6040/A



PXM6042/A  
PXM6042/B



PXM6043/A  
PXM6043/B

# 7000 Series

Available in plastic and metal body constructions, the 7000 Series Buccaneer connectors combine the easy use of a quick coupling mechanism with proven environmental sealing for signal and mains power.

## Quick Points

### Power

- Metal & Plastic versions
- Rapid twist locking
- 2, 3, 6, 10 & 32 pole
- Plug or Socket
- 25A, 600 V (max)
- 5-15mm cable acceptance
- Overall diameter 42mm

## Body style & part

### Power

- Flex Connector** - PXP7010, PXM7010
- Flex In-line** - PXP7011, PXM7011
- Panel Mount** - PXP7012, PXM7012
- Sealing Cap Accessory** - PXP7081, PXP7082, PXM7081, PXM7082, PXM7083

## Industries

Marine - Industrial - Automotive - Oil & Gas - Transport & Infrastructure

## The Range



PXM7010



PXM7011



PXM7012



PXP7010



PXP7011



PXP7012

# 4000 Series

The 4000 Series brings high power and data in a compact form factor. Its small and mighty characteristics make it ideal for power and data applications across a wide variety of markets.

## Quick Points

### Power

- Rapid twist lock coupling
- 3, 8 & 12 pole power up to 600V, 13A
- Sealed to IP66, IP68 and IP69K when mated
- Solder and crimp contacts available

### Data (Micro USB)

- Data rates up to 480Mbps
- USB V2.0 performance
- Secure, proven locking system
- Tamperproof Construction
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

## Industries

Renewable  
Recreation & Leisure  
Data & Telecoms  
Industrial  
Marine

## Body Style & Part

### Power

**Flex Connector** PXP4010

**Flex In-line** PXP4011

**Panel Mount** PXP4013

**Sealing Cap Accessory**

PXP4081, PXP4082, PXP4083

### Data (Micro USB)

**Flex Connector Standard A to Micro B**

PXP4040

**Rear Panel Mount Micro B**

PXP4043

**Sealing Cap Accessory**

PXP4081, PXP4083

## The Range



PXP4010



PXP4011



PXP4013



PXP4040



PXP4043



PXP4081  
PXP4082  
PXP4083



PXP4089



PXP4089



# M-Series

The M-Series Buccaneer range has been designed to offer flexible connectivity solutions for a variety of industrial automation applications. With metal and plastic variants, these rugged and robust interconnects are ideal for industries requiring secure and reliable connections.

## Quick Points

- Available types: M5, M8, M12, M16 & M23
- Reliable sensor, actuator and data connectivity solutions
- Quick and secure screw coupling mechanism
- Ratings from 1A, 30V ac/dc up to 8A, 250V ac/dc
- Overmolded cables PVC & PUR
- IP67 Rating
- Cable lengths from 1m - 15m

## Industries

- Factory Automation
- Robotics
- Measurement
- Manufacturing
- Medical
- Industrial Network

### M5 Range



### M8 Range



### M12 Range



### M16 Range



### M23 Range



### Distribution Unit Range



# 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.

## Quick Points

- Current ratings are from 1 to 10 amps
- Single or twin fused types
- Flange, snap to panel or base/bulkhead mounting options
- 2.8 or 6.3mm tabs

## Industries

- Medical
- Automotive
- Utilities

## The Range



# Power Entry Modules

With over 26,000 combinations, Bulgin's Polysnap mains power inlet modules offer a very adaptable and flexible solution to panel design. They allow combinations of mains inlets and outlets, filtered inlets, switches, fuseholders, voltage selectors and indicators to be mounted in either horizontal or vertical format bezels ready for quick snap-fit assembly.

## Quick Points

- Compact single rectangular mounting hole, flange fixing alternative available for security of screw fixing.
- Vertical and horizontal arrangement
- Single or double pole variants.
- Illumination options
- Filtered inlet options

## Industries

- Medical
- Recreation & Leisure

## The Range



# 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.

## Quick Points

- Flange fixing, snap to panel and PCB mounting options
- 250V ac, 10A up to 20A
- 2.8 solder tabs, 4.8 and 6.3 fast on tabs, screw terminal and PC spill versions.
- Accessories include insulating boots, retaining clips and safety covers.
- Additional colours available

## Industries

- Medical
- Data & Telecoms
- Industrial

## The Range



# 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.

## Quick Points

- Designed primarily for 5 x 20mm and 6.3 x 32mm size fuses
- Protection against shock to categories PC1, PC2 and PC3.
- In-line, PCB mounting and panel mounting (screw or snap fit) options available
- Terminal options for solder, 2.8mm, 4.8mm or 6.3mm tabs or PC spills.
- Front of panel seal up to IP68 in both 5 x 20mm and 6.3 x 32mm size fuses.
- Captive drawer, screw cap and bayonet cap Fuse carrier styles
- Screwdriver release and screw cap - with finger release options

## Industries

Recreation & Leisure  
Data & Telecoms

## The Range





# 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.

## Quick Points

- Screw and flange panel fixing
- PCB and base mounting versions.
- Standard fixing and front panel sealed panel mounting versions, IP67 rated
- Open frame styles available

## Industries

- Data & Telecoms
- Industrial
- Renewable



## The Range



BXS011/1



BXS001/1



BXS016



BX0011/1



BX0001/1



BX0016



BX0027



BX0023



BX0026



BX0034



BX0035



BX0036



BX0037



BX0033



BX0123



# Vandal Switches

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.

## Quick Points




























- Front and rear panel mounted versions
- Vandal switches available in prominent, domed & low profile
- Various switching options such as latching, push on - push off, action.
- IP66, 68 front panel sealing options
- Dot and ring LED illuminated versions
- Illumination voltages 6, 12 and 24V sources,
- Variety of illumination colours and are now available with front and rear of panel sealing options

## Industries

- Transport & Infrastructure
- Industrial
- Recreation & Leisure
- Security



## The Range

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| MP0013<br>MP0033  | MP0013/2<br>MP0033/2  | 8300  | 0911  | MP0031/3  | MP0027  | MP0027/2  | MP0027/3  |
|  |  |  |  |  |  |  |  |
| MP0031/2  | MP0031  | MP0037/2  | MP0037/3  | MP0037  | MP0038/2  | MP0038  | MP0042/1  |
|  |  |  |  |  |  |  |  |
| MP0042/2  | MP0042/3  | MP0045/1/D1   | MP0045/1/D2   | MP0045/1/E  | MP0045/3/E  | MP0050  | MP0050/2  |
|  |  |  |  |  |  |  |  |
| MPB307  | MPB038<br>MPB038/3  | MPI001/RP   | MPI001  | MPI002/FL   | MPI002  | MAV0120   | MAV0120   |

# Piezo Switches

Unlike traditional switches, Piezo Switches are designed to withstand the harshest of environments. With no moving mechanical parts, they are extremely durable and able to withstand millions of actuations whilst requiring little to no maintenance.

## Quick Points

- Piezo switches have no moving mechanical parts which offers excellent endurance and durability
- Stainless Steel and Aluminium body types
- Ratings up to 1A, 24V ac/dc
- Illuminated and Non-Illuminated variants available
- Latching and momentary actions
- Sealed to IP68 and IP69K ratings

## Industries

- Marine
- Medical
- Oil & Gas
- Security

## The Range



MPZ016  
MPZ019  
MPZ022



MPZI019  
MPZI022  
MPZI022L

# Slide & Voltage Selector Switches

With up to 5 switching positions as well as multiple terminal, circuit and slider options, Bulgin's board mounted power slide switches can be configured to suit your needs. We also offer a wide range of voltage selector types that can be either snapped into a panel or flange mounted.

## Quick Points

- Ratings up to 16A, 250V ac
- PCB and solder terminals
- Voltage Selector Models
- Snap in and flange mounting
- 2, 3, 4 and 5 position
- Choice of circuits
- Choice of actuators

## Industries

- Small Domestic Appliances
- Kitchen Appliances
- Power Supply

## The Range



2000



2000



VS0001



VS0002

# Rocker Switches

With numerous configurations and available options, Bulgin's extensive line of rocker switches are the primary choice for many globally recognized OEM's.

## Quick Points

- Available types: Ultra-thin, Miniature, Twin unit, Miniature round and Standard
- Rating from 10A, 250V ac up to 20A, 277V ac
- Single & double pole variants available
- Push-on, solder & PCB terminals
- Illuminated and non-illuminated options
- High in-rush (ON-OFF types)
- Matching Indicators
- Splash resistant options
- Choice of bezel styles and sizes, panel cut-outs and actuators
- Choice of switching circuits including 3 position

## Industries

- Brown Goods
- Electronics
- Medical
- Recreation & Leisure
- Instrumentation

## The Range



# Push Button Switches

Bulgin's broad line of pushbutton switches are available in various sizes and configurations. This includes a variety of illumination and terminal options as well as several with high inductive power ratings suitable for motor driven applications. These switches can be found in many markets including home appliances, commercial, medical, audio and security.

## Quick Points

- Miniature, round and rectangular push button switches available
- Ratings up to 16A, 250V ac
- 12(12)A 250V ac rating also available
- Latching and momentary actions
- Choice of actuators (custom option also available)
- Square and Round Mounting Styles

## Industries

- Industrial
- Automotive
- Medical
- Security
- Domestic Appliances
- Instrumentation

## The Range



# Toggle Switches

Well known for their quality and reliability, Bulgin's toggle switches are cost effective solutions to many existing applications. Independently tested for shock and vibration along with operation to -40°C, these switches offer features at an attractive price point often well below that of the existing competition.

## Quick Points

- Nylon and Metal switch variants
- Multiple Lever Options
- Ratings up to 20A, 250V ac - 277V ac
- IP67 panel seal versions, supplied complete with gaskets (3900 Series – All Variants)
- Single and double pole
- Choice of circuit options including 3 position and momentary
- Mounting hole: 12.7mm diameter.
- Sealing accessories available
- Quick Connect, Solder, Screw and PCB Termination Options

## Industries

Commercial Transportation  
-  
Industrial Controls & Instrumentation  
-  
Specialist Vehicles  
-  
Consumer Goods  
-  
Audio  
-  
Domestic Appliances

## The Range



3900



1700

# Refrigerator Door Switches

Long recognised as a leader in refrigerator door switches, Bulgin's wide range of types and configurations will suit almost any need. With both double pole and single pole options, our switches are not only ideal for traditional refrigerator and freezer applications but can and have been used in a variety of door applications as well.

## Quick Points

- Door switches
- Switch rating from 0.2A, 250V ac up to 5A, 250Vac
- Splash resistant variants
- Choice of actuators
- Momentary on and momentary off switching

## Industries

Domestic Appliances

## The Range



0305



3005



3100



3140



0055

# Antimicrobial Switches

Among the most innovative additions to our product offering are BioCote antimicrobial switches. BioCote is a silver ion product that is added to the molding process so it is integral to the plastic and will not wear off. Switches made with the BioCote additive are infused with antimicrobial properties that prevent the spread of dangerous microbes from multiple users activating the switch.

## Quick Points

- BioCote antimicrobial material
- Single and double pole options
- Ratings from 15A, 250V ac to 20A, 277V ac
- Choice of bezel styles and sizes
- Choice of panel cut-out sizes
  - 19.3 x 12.9mm (8500 & 8300 Series)
  - 30.1 x 22.2mm (6050 Series)
  - 6 Different mounting sizes/styles (1550 Series)
- Illuminated and non-illuminated options available

## Industries

- Medical
- Food Processing
- Instrumentation

## The Range



8500



6050



1550



8300

# Indicators

This range of panel mounting indicators consists of many different LED and Neon types, bezel styles 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.

## Quick Points

- Various LED, Neon and Filament illuminated options available
- Wide viewing angle option
- Termination options include Wire Leads, 2.8 Tabs, 4.8 or 6.3 QC termination
- Multiple termination types
- Rugged stainless steel variants that complement our anti-vandal switches

## Industries

- Marine
- Medical
- Transport and Infrastructure
- Industrial
- Audio
- Instrumentation

## The Range



DX0505  
DX0506



DX0507  
DX0508



0566



1041



2950



0195



0278



0273



0569



0275



0276



0589



0277



0234



0821



# LED Lamps & Lampholders

Among the smallest and most versatile products within our indicator range are LED Lamps and Lampholders.

Quite small in size, the LED housings we offer incorporate an LED and allow it to be mounted in a panel. We also offer re-lampable LED lampholders which can be supplied with or without LED's. These products are ideal where a reliable, long life indication in a small package is needed.

## Quick Points

- Available with or without LEDs
- Black or Chrome finish
- 3mm and 5mm LEDs
- Prominent or recessed styles

## Industries

- Domestic Appliances
- Recreation and Leisure
- Medical
- Industrial

## The Range



# IP Rated Indicators, LED Lamps & Lampholders

Bulgin has a long history of offering sealed, robust products and our indicators are no exception. Available in six popular sizes and styles, the indicators are all sealed to IP67 and can be fitted with Neon, LED or filament lamps. Several of our larger Low Voltage (IP67) and small LED lampholders (IP66 and IP67) are also available with IP sealing. Both types can be fitted with or without lamps. All of these products are great for any environment where moisture is a concern.

## Quick Points

- Panel sealed to IP66 & IP67
- Bezel sizes ranging from 9.5 – 22.9 diameter.
- Panel hole sizes ranging from: 6.3 – 19.0 diameter.
- Neon, LED-dc, LED-110/230V ac or filament lamp options available
- Chrome bezels available on specific product types
- Termination options include Wire Leads, 2.8 Tabs, 4.8 or 6.3 QC termination

## Industries

- Domestic Appliances
- Recreation and Leisure
- Medical
- Industrial

## The Range



# We've got you covered

Our components are available through a large network of National and International Distributors Worldwide.

Search for our stock at:  
[www.bulgin.com/distributors.html](http://www.bulgin.com/distributors.html)







- Connect With Us -

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