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Bulgin is widely recognised as a leading manufacturer of environmentally sealed connectors & components.

With over 95 years of experience in the industry, Bulgin continues to innovate & develop products and services to cater for its global customer base across a variety of markets.

Circular Connectors

IEC Connectors

Fuse Holders

Battery Holders

Switches

LEDs, Lampholders & Indicators

Circular Connectors

ExPlora Series	Quick Points	Body Style & Part
	Power	**Power**
	- Quick start thread coupling	**Flex Connector -** EXP-0911, EXP-A911
	- ATEX Zone 2 Certified	**Flex In-line -** EXP-0921, EXP-A921
	- Plug or socket versions	**Panel Mount -** EXP-0931
	- 7-13mm dia cable acceptance - EXP-0	**Panel Mount (with Flange) -** EXP-0941
	- 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 & 10 pole	

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.

Body Style & Part Information

EXP-0911	EXP-A911	EXP-0921	EXP-A921	EXP-0931	EXP-0941	EXP-0990 EXP-0991 EXP-0992

900 Series	Quick Points	Body Style & Part
	Power	**Power**
	- Quick start thread coupling	**Flex Connector -** PX0911, PXA911
	- Flex Cable Connector	**Flex In-line -** PX0921, PXA921
	- Mates with all other styles	**Panel Mount -** PX0931
	- 2, 3, 4, 5, 7 & 10 pole	**Panel Mount (with Flange) -** PX0941
	- Plug or Socket	
	- 32A, 600 V (7 pole 430V)	
	- 7-15mm cable acceptance	
	- Overall diameter 58mm	

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.

The 900 Series Product Range

PX0911	PXA911	PX0921	PXA921	PX0931	PX0941	PX0950	PX0990 PX0991 PX0992

Circular Connectors

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Standard Series

Quick Points

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

Data - Ethernet
- Screw coupling
- Single or double ended
- Standard lengths:
  2m, 3m & 5m
- Supplied with shielded
  RJ45 plug
- Cat5e OR Cat6a

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

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.

Body Style & Part Information

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
Ethernet Patch Cord Flex Connector
(Cat5e) PX0836, PX0837, PX0838
(Cat6a) PX0896, PX0897, PX0898
Ethernet Re-wireable Flex Connector
(Cat5e) PX0834
(Cat6a) PX0894
Ethernet Panel Mount
(Cat5e) PX0833
(Cat6a) PX0893
Ethernet Flanged Panel Mount
(Cat5e) PX0870
(Cat6a) PX0890
Ethernet PCB Mount PX0839
Shield Back Shell Accessory PX0888

Data - USB
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 Standard Series Product Range

| PX0731 | PX0732 | PX0730/P | PX0709 | PX0765/S | PX0756 | PX0700 | PX0733 PX0734 |

| PX0777 | PX0836 PX0896 | PX0834 PX0894 | PX0833 PX0833/E PX0893 PX0893/E | PX0839/90 | PX0839/IDC | PX0870 PX0870/E PX0890 PX0890/E | PX0888 |

| PX0835 | PX0840/A | PX0841/AB | PX0840/B | PX0842/A PX0842/B | PX0849/A PX0849/B | PX0848/A PX0848/B | PX0845/A PX0845/B |

| PX0843/A PX0843/B | Accessories | PX0835 | PX0852 |

Circular Connectors

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400 Series

Quick Points

Power

- Screw coupling
- Flex Cable Connector
- 2, 3, 4, 6, 8, 10 & 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 & 4.5 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)

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.

Body Style & Part Information

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
PX0443, PX0456
Rear Panel Mount Mini B type or Mini AB
PX0446, PX0457
Rear Panel PCB Mount Mini B type or Mini AB
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
PX0480 PX0480/1 PX0481 PX0484
SMB Antenna
PX0407, PX0408, PX0409
SMB 90 Degree Angled Antenna
PX0407/90, PX0408/90, PX0409/90

The 400 Series Product Range

PX0410	PX0411	PX0444	PX0441 PX0442	PX0415/1	PX0414	PX0412	PX0413

PX0457 PX0446	PX0458 PX0447	PX0400	PX0480 PX0480/1 PX0481 PX0484	PX0443 PX0456	PX0485 PX0480 PX0484	PX0407

Circular Connectors

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6000 Series

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 & PUR jacket cable
- Supplied with shielded RJ45
- Sealed through panel
- Cat 5e shielded coupler
- Standard patch cord 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)

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.

Body Style & Part Information

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 6000 Series Product 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

Circular Connectors

7000 Series	Quick Points	Body Style & Part
	Power	**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	**Flex Connector -** PXP7010, PXM7010 **Flex In-line -** PXP7011, PXM7011 **Panel Mount -** PXP7012, PXM7012 **Sealing Cap Accessory -** PXP7081, PXP7082, PXM7081, PXM7082, PXM7083

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.

The 7000 Series Product Range

PXM7010   **PXM7011**   **PXM7012**   **PXP7010**   **PXP7011**   **PXP7012**

4000 Series	Quick Points	Body Style & Part
	Power	**Power**

	- Rapid twist lock coupling
	- 2, 3, 4, 6, 8, 10 & 12 pole
	  power up to 600V, 13A
	- Sealed to IP66, IP68 and
	  IP69K when mated
	- Solder and crimp contacts available
		Flex Connector PXP4010
		Flex In-line PXP4011
		Panel Mount PXP4013
		Sealing Cap Accessory
		PXP4081, PXP4082, PXP4083

	Data (Micro USB)	**Data (Micro USB)**
	- Data rates up to 480Mbs - USB V2.0 performance - Secure, proven locking system - Tamperproof Construction - EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1	**Flex Connector Standard A to Micro B** PXP4040 **Rear Panel Mount Micro B** PXP4043 **Sealing Cap Accessory** PXP4081, PXP4083

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.

The 4000 Series Product Range

PXP4010   **PXP4011**   **PXP4013**   **PXP4040**   **PXP4043**   **PXP4081 PXP4082 PXP4083**   **PXP4089**   **PXP4089**

Circular Connectors

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M-Series

Quick Points

Power & Data

- 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

Codes:

A - Sensors, DC Power and 1 Gbit Ethernet
B - Profibus
D - AC Power
X - 10 Gbit Ethernet

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

The M5 Product Range

| PXMBNI05RPF | PXMBNI05RPM | PXMBNI05FPM | PXPTPU05RAF PXPPVC05RAF | PXPTPU05RAM PXPPVC05RAM | PXPTPU05FBF PXPPVC05FBF | PXPTPU05FIM PXPPVC05FIM |

The M8 Product Range

PXMBNI08RPM	PXMBNI08RPF	PXMBNI08FPF	PXMBNI08FPM
PXPPAM08FIM	PXPPAM08FBF	PXMBNI08FIM	PXMBNI08FBF
PXPTPU08RAF PXPPVC08RAF	PXPTPU08RAM PXPPVC08RAM	PXPTPU08FBF PXPPVC08FBF	PXPTPU08FIM PXPPVC08FIM

The M12 Product Range

PXMBNI12RPM	PXMBNI12RPF	PXPPAM12FIM	PXPPAM12FBF
PXPPAM12RAM	PXPPAM12RAF	PXMBNI12FIM	PXMBNI12FBF
PXPTPU12RAF PXPPVC12RAF	PXPTPU12FBF PXPPVC12FBF	PXPTPU12RAM PXPPVC12RAM	PXPTPU12FIM PXPPVC12FIM
PXMBNI12RAF08X	PXMBNI12RPM08X	PXPTPU12FIM08X	PXPTPU12FBF08X
PXPPAM12	PXMBNI12		

The M16 Product Range

| PXMBNI16FIM | PXMBNI16FBF | PXMBNI16RPM | PXMBNI16RPF |

The M23 Product Range

| PXMBNI23FIM | PXMBNI23FBF | PXMBNI23RAF | PXMBNI23FPM |

Distribution Unit Range

| BOX1M1205MA05 | BOX1M1212MA08 | BOX1M1205MA09 |

Circular Connectors

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4000 Fiber Series | Quick Points | Body Style & Part

Data (C-Type USB)

- Data rates up to 10 Ghz
- USB V3.1 performance
- Secure, proven locking system
- Tamperproof Construction
- EN60068-2-52 Test Kb Salt Mist
  (Cyclic) Marine Severity Level 1

Data (Fiber)

- Cabled versions 0S1, 0M1, 0M3
- Cabled 5 to 450M
- Sealed to IP66, IP68 and IP69K
  when mated
- LC-Type fiber interface

Data (C-Type USB)

Flex Connector Standard A To C-Type
PXP4040/C/1M00
Rear Panel Mount C-Type PXP4043/C
Sealing Cap Accessory
PXP4081, PXP4083

Data (Fiber)

Flex Connector PXF4050, PXF4054, PXF4055
Flex Inline PXF4051, PXF4054
Panel Mount PXF4053
Sealing Cap Accessory
PXP4081, PXP4082, PXP4083

As the smallest rugged optical connector available on the market, the 4000 Series Fiber Simplex connector is ideal for outdoor broadcast, FTTX (fiber to the x), server room engineering, civil engineering, marine, aviation and rail applications. The connector's small form factor is particularly useful where installation space is limited or multiple connectors need to be accommodated.

The 4000 Fiber Series Product Range

| PXF4050 PXF4050XXX | PXF4051 PXF4051XXX | PXF4053 PXF4053XXX | PXF4054XXX PXF4055XXX | PXP4040 PXP4040/C | PXP4043 PXP4043/C | PXP4081 PXP4082 PXP4083 | PXP4089 |

IEC Connectors

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EMI Filters | 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

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.

The EMI Filter Range

PS00/A	PS01/A	PS20/A	PS02/A	PS03/A	PS21/A	PS25/A	PS26/A

Power Entry Modules | 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

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, fuse holders, voltage selectors and indicators to be mounted in either horizontal or vertical format bezels ready for quick snap-fit assembly.

The Power Entry Module Range

BZV01	BZV01/10	BZV03/02	BZV45/02	BZV03/07	BZV04/04	BZV49/69	BZV09/04

BZH09/01	BZH01/01	BZH01/10	BZM27/57B	BZH11/10	BZH11/00	BVA01/10	BVA01/02

BVB01/01	BVB01/11	C14 Inlet Twin fuse

IEC Connectors

IEC Connectors	Quick Points

	- Flange fixing, snap to panel
	  & 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

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 IEC Connector Range

PX0587	PX0587/SE	PX0588	PX0575	PX0579	PX0580	PF0011	PX0580/PC
PF0001 PF0002	PF0030	PX0597	PX0590	PX0690	PF0006 PF0007	PX0685	PX0686
PX0686/SE	PX0716	PX0718	PX0717	PX0578	PX0675	PX0695	PX0695/PC
PX0793	PX0793 Termination	PX0705	KT0006	14228	12075	PX0597	PX0596
PX0598	PX0591	PX0592	PX0578	0717-1-P	0717-1S		

Fuse Holders

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Fuse Holders | 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

Bulgin's extensive range of fuse holders 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.

The Fuse Holder Range

FX0415/S FX0416/S	FX0415 FX0416	FX0430	FX0357 FX0359	FX0367 FX0369	FX0454 FX0455	FX0454/S FX0455/S	FX0458
FX0354 FX0354/S	FX0345	FX0365	FX0461	FX0419 FX0462	FX0296 FX0296/S	FX0296	FX0321
FX0326 FX0331	FX0327	FX0456 FX0457	FX0330 FX0342	PNo.11327 PNo.12932 PNo.9820	FX0180 FX0280 FX0380	FX0185 FX0285 FX0385	0345
0346							

Battery Holders

Battery Holders

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

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.

The Battery Holder Range

BXS011/1	BXS001/1	BXS016	BX0011/1	BX0001/1	BX0016	BX0027	BX0023

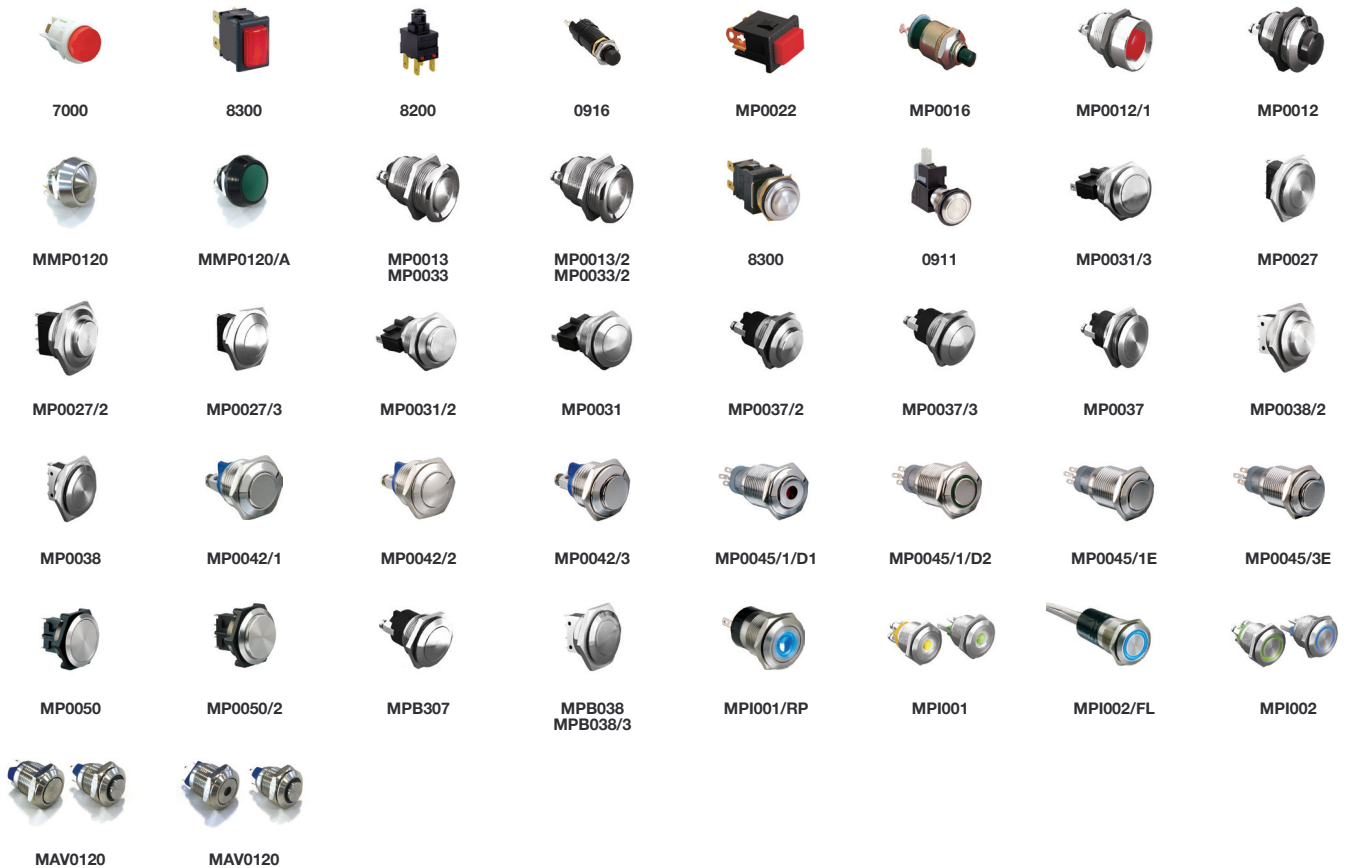| BX0026	BX0034	BX0035	BX0036	BX0037	BX0033	BX0123

Push Button Switches

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
- IP68 versions available

Bulgin's broad line of push button 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.

The Push Button Switch Range

7000	8300	8200	0916	MP0022	MP0016	MP0012/1	MP0012
MMP0120	MMP0120/A	MP0013 MP0033	MP0013/2 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	MP0045/1E	MP0045/3E
MP0050	MP0050/2	MPB307	MPB038 MPB038/3	MPI001/RP	MPI001	MPI002/FL	MPI002
MAV0120	MAV0120						

Switches

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Touch Switches

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

- Capacitive switches have no moving mechanical parts which offers excellent endurance and durability
- Stainless Steel or Anodised Aluminium
- Ratings up to 10mA, 12V ac/dc
- Illuminated and Non-Illuminated variants available
- Latching and momentary actions
- Sealed to IP68 and IP69K ratings

Bulgin's touch switches are available with either piezo or capacitive technology. Both types of switches are usually comprised of flat, metallic discs, sometimes surrounded by an illuminated ring that lights up when the switch is activated.

The Piezo Switch Range

MPZ016
MPZ019
MPZ022

MPZI019
MPZI022
MPZI022L

The Capacitive Switch Range

MC16
MC19

MC22
MC25

Slide & Voltage Selectors

Quick Points

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

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.

The Slide & Voltage Selector Switch Range

2000

2000

VS0001

VS0002

Rocker Switches

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

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

The Rocker Switch Range

| 8800 | 8500 | 8600 | 8620 & 8670 | 1250 | 6050 | 1500 | 5500 |

| 1500 TWIN | 1550 | 6000 | R13 |

Toggle Switches

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

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.
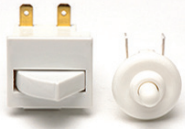
The Toggle Switch Range

| 3900 | 1700 |

Refrigerator Switches

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

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.

The Refrigerator Switch Range

| 0305 | 3005 | 3100 | 3140 | 0055 |

Antimicrobial Switches

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

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.

The Antimicrobial Switch Range

| 8500 | 6050 | 1550 | 8300 |

LEDs, Lampholders & Indicators

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Indicators

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

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.

The Indicator Range

DX0505 DX0506	DX0507 DX0508	0566	1041	2950	0195	0278	0273

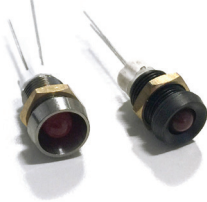| 0569	0275	0276	0589	0277	0234	0821

LEDs, Lampholders & Indicators

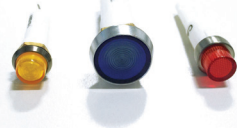| LEDs & Lampholders	Quick Points
	- Available with or without LEDs - Black or Chrome finish - 3mm and 5mm LEDs - Prominent or recessed styles

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.

The LED & Lampholder Range

1035, 1036, 1037	1050	DX0998 DX0999	DX1120 DX1121	DX1090 DX1092	DX1091 DX1093	DX1116 DX1118	DX1117 DX1119

LEDs, Lampholders & Indicators

bulgin

IP Rated LEDs & Lampholders   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

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.

The IP Rated LED & Lampholder Range

| 1041 OS | 0177 OS | 0245 OS | 0275 OS | 1050 OA | DX1090 DX1092 | DX1091 DX1093 | DX0505 DX0506 |

DX0507
DX0508

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