



bulgin
an INFINIT[®] brand

Who is Bulgin?

Bulgin is a **globally recognised** leader in the design and manufacture of **environmentally sealed connectors** and electronic components.

With over **100 years of industry experience**, we proudly deliver a wide range of products and services to a diverse customer base across international markets.

We are the design engineer's choice for harsh environment connectivity solutions. Why? Because our cutting-edge production facilities, in-house engineering expertise and stringent quality controls ensure that our products meet the **highest standards of quality and reliability**. Rest assured that we have you covered...

- ✓ 1.5 million items
- ✓ Global distribution network
- ✓ 60 countries



Engineering novel solutions. Together

Want to push the boundaries of new [product development](#)? We redefine the limits of what's possible with electrical connectors, using our [technical expertise](#) to deliver [innovative solutions](#) across various engineering disciplines.

Having access to the right expertise at the right time is a vital part of the journey from concept to finished product. Our knowledgeable sales team is on hand to provide detailed technical advice and information on our broad product portfolio.

Don't see what you need in our catalogue? No problem! Let us craft a custom solution to meet your particular engineering requirements. We provide [human-centred design](#) and turnkey project management for every bespoke build, helping you to seamlessly transition to full-scale manufacturing. This is backed by our [state-of-the-art facilities](#) and [cutting-edge design tools](#), including computer-aided design and rapid prototyping.

Mechanical

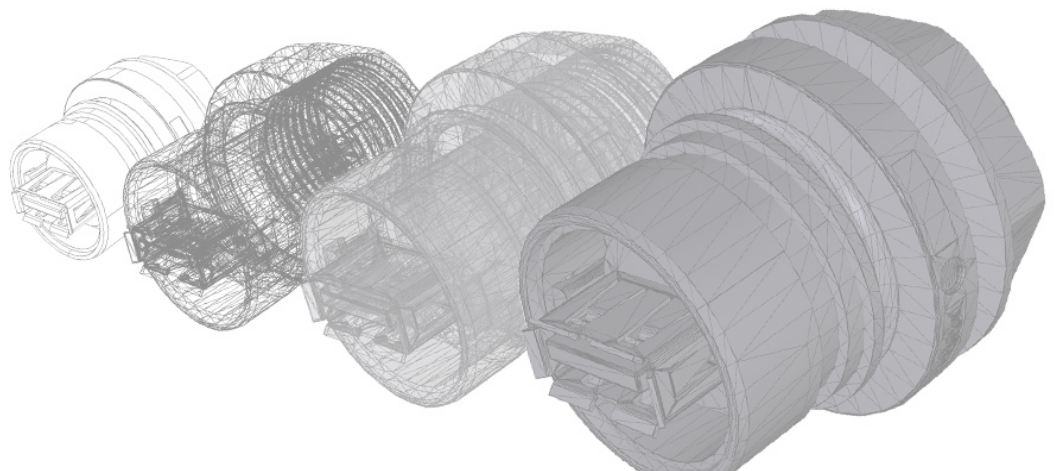
- In-house 3D modelling
- Finite element analysis
- Rapid prototyping
- 3D rendered models

Electronics

- In-house modelling
- Simulation
- Rapid prototyping
- Human-centred design

Assembly

- Cable to connector complete assemblies
- Overmoulding tool for all our connectors
- Enclosures and complete panel assembly
- Turnkey solutions for finished article or sub-assembly parts



Rugged products, built to last

Thorough [testing](#). Stringent [quality assurance](#). Multiple international [accreditations](#). We ensure that every product in our portfolio meets the highest standards and withstands the harshest conditions.

All of our products are designed to last, regardless of what Mother Nature throws at them. This [inherent longevity](#) reduces the need to maintain, dispose of and replace electrical components, ultimately [reducing waste](#) and minimising [environmental impact](#).

From [robust](#) dust- and waterproof circular connectors to [hard-wearing](#) electronic switches and fuse holders, we are sure to have the ideal, [long-lasting](#) solution for your design and development needs.

[Super-fast, reliable connections](#). This is the Bulgin promise.



The perfect fit...

We collaborate closely with our customers to identify opportunities, mitigate risks and build on [emerging technologies](#), developing innovative and [bespoke solutions](#) for the most demanding applications.

Our dedicated [response team](#) guarantees a swift reply to your enquiry, and our advanced, in-house prototyping technologies – such as silicon moulding and 3D SLA and FDM modelling and printing – mean that we can [quickly develop samples](#) for customer evaluation and testing.

We pride ourselves on offering [rapid turnaround times](#) on [tailored customer projects](#) and requirements too. This includes everything from cable assemblies to box builds, with a low minimum order quantity to boot. Our flexibility sets us apart from competitors.

Where there are connectors, there's Bulgin

From [automotive](#) and [telecoms](#) to [industrial automation](#) and marine, our [versatile portfolio](#) is tried and tested in just about every sector...

- ✓ Helping [agriculture](#) and related industries capture data smarter and faster
- ✓ Supporting [smart city](#) applications, such as traffic management and condition monitoring
- ✓ Enabling secure data and power transfer during [major public events](#), such as sports games, concerts and festivals.

Green and clean

Bulgin components are used extensively in the construction of [offshore wind and solar farms](#), supporting the efficient generation of renewable energy. Our solutions have also been shown to improve the performance and [energy efficiency](#) of electrical equipment, helping to accelerate the transition to a greener future.

Our credentials

Superior [design](#), unrivalled [quality](#) and maximum [value](#) are integral components of the Bulgin philosophy.

We continually invest in advanced digital solutions to ensure the seamless flow of data from our CAD system to our sophisticated automotive manufacturing equipment. This helps us to reduce the possibility of human errors in the transition from design to manufacture, maintaining the [highest quality standards](#) and granting us several [international safety approvals](#).

All new products are extensively pre-production tested in our dedicated electrical and mechanical test facility, which also conducts regular checks during manufacture. Our broad product range includes IP66-, IP67-, IP68- and IP69K-rated dust- and waterproof circular connectors, plus IP67-rated enclosures, and all our IP ratings are internally tested to [EN 60529](#).*

Bulgin has also taken actions to ensure that all standard products meet the various global regulations. We offer meticulous documentation on all our connectors, specifying process and product goals for every step of design and manufacturing to guarantee high quality results.

*IP68-rated products have undergone immersion testing in water at a depth of 10 metres for a period of 2 weeks unless otherwise stated.

Circular Connectors

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Circular Connectors

// Standard Series

Quick Points:



// Power

- Screw coupling
- 2, 3, 4, 6, 7, 9, 12 & 25 pole
- Plug or socket versions
- 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
- Cat 5e, Cat 6a, & Cat 8

// Standard Series

Quick Points:



// Data (USB)

- Screw coupling
- Available in USB A & B configurations
- Standard lengths: 2m, 3m & 5m
- Now including USB 3.0

// Data (HDMI)

- Screw coupling
- Single and double ended cables
- Standard lengths: 2m, 3m & 5m
- Shielded system
- HDMI 2.1 performance

Body Style & Part Number Information:			
// Power	// Data (Ethernet)	// Data (USB)	// Data (HDMI)
- Flex Connector - PX0736 - Flex In-line - PX0737 - Front Panel Mount - PX0730/P - Rear Panel Mount / PCB - PX0707 - Rear Panel Mount - PX0709 - Low Profile Flange Mount - PX0765, PX0764 - Bulkhead Flange Mount - PX0756 - Sealing Cap Accessory - PX0734, PX0733 - Rear of Panel Back Shell - PX0799 - Gland Packs	- Seal In-Line Cable Joiner - PX0777 - Ethernet Patch Cord Flex Connector PX0836, PX0837, PX0838 PX0896, PX0897, PX0898, PX0857 & PX0858 - Ethernet Flex Connector / Rewireable PX0834, PX0894 - Ethernet Panel Mount - PX0833, PX0893 - Ethernet Rear Panel Mount - PX0839 - Ethernet Flanged Mount PX0870, PX0890 - Shield Back Shell Accessory - PX0888 - Sealing Cap Accessories	- Sealed USB Cables (Single Ended) - PX0840 - Sealed USB Cables (Double Ended) - PX0841 - USB Front Panel Mount - PX0842 - USB Rear Panel Mount - PX0849 - USB Rear Panel Mount - PX0848 - USB Rear Panel Mount / PCB - PX0845 - USB Front Panel Mount / Leaded - PX0843 - USB Front Panel Mount / Extension - PX0844 - USB Flash Drive Cover - PX0852 - Sealed USB Cable / Single Ended - PXP0020 - Rear Panel Mount / Leaded Connector - PXP0023, PXP0023-FL, PXM0023 - Rear Panel Mount Leaded Connector - PXP0025 - PCB Adaptor Leads / Accessories - Sealing Cap Accessories	- Front Panel (Leaded & Coupler Connector) - PX0863 - Sealed HDMI Cable (Single Ended) - PX0867 - Sealed HDMI Cable (Double Ended) - PX0868 - Rear Panel (Leaded & Coupler Connector) - PX0869

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

Circular Connectors

// Standard Series Product Range:



PX0736



PX0737



PX0730/P



PX0707



PX0709



PX0765
PX0764



PX0756



PX0733
PX0734



PX0777



PX0836
PX0837
PX0838
PX0857
PX0858
PX0896
PX0897
PX0898



PX0834
PX0894



PX0833
PX0833/E
PX0893
PX0893/E
PX0855



PX0839
PX0856



PX0870
PX0870/E
PX0890
PX0890/E



PX0888



PX0840/A



PX0840/B
PX0840/AA
PX0840/A3



PX0841
PX0841/AA
PX0840/A3



PX0842
PX0842/A
PX0842/B
PX0842/AA
PX0842/A3



PX0843
PX0843/A
PX0843/B
PX0843/A3
PX0460



PX0844
PX0844/A
PX0844/B
PX0844/A3



PX0845
PX0845/A
PX0845/B
PX0845/A3



PX0848



PX0849



Accessories



Sealing Caps



PX0863



PX0867



PX0868



PX0869

Circular Connectors

// 400 Series



Quick Points:

// Power

- Screw coupling
- Flex Cable Connector
- 2, 3, 4, 6, 8, 10 & 12 pole
- Plug or socket versions
- 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 1, 3 & 5m lengths
- 5 Way crimp, for use with PC Header or Rear Panel Mounting connector with Leaded 5 Way Header (Leaded Panel Mount Versions)

Body Style & Part Number Information:		
// Power ○ Flex Connector - PX0410 ○ Flex In-line Connector - PX0411 ○ Pre-Wired Flex Cable Connector - PX0400 ○ Pre-Wired In-line Connector - PX0401 ○ Pre-Wired Right Angled Flex - PX0402 ○ Panel Mount - PX0412, PX0413 ○ Smart Connector / Pre-Wired EEPROM PXS400 ○ Sealing Cap Accessory PX0480, PX0480/1 PX0481, PX0484	// Data (Mini USB) ○ Pre-Wired Overmould USB V2.0 Cable PX0441, PX0442, PX0444 ○ Front Panel Mount Mini USB Type AB PX0456 ○ Rear Panel Mount Mini USB Type B PX0446, PX0447 ○ Front Panel Mount Leaded Mini USB Type B PX0443, PX0459 ○ Rear Panel Mount Mini USB Type AB PX0457, PX0458 ○ 400 Series Mini USB Screening Can ○ PCB Header ○ Sealing Caps	// Data (SMB & Wireless Antenna) ○ Rewireable SMB Flex Connector - PX0415/1 ○ Pre-Wired Flex SMB Connector - PX0416 ○ Front Panel Mount SMB Connector - PX0414 ○ SMB Antenna - PX0407, PX0408, PX0409 ○ SMB 90 Degree Angled Antenna PX0407/90, PX0408/90, PX0409/90 ○ Sealing Caps ○ Crimp Tool

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

// 400 Series Product Range:



PX0400



PX0401



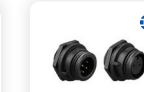
PX0402



PX0410



PX0411



PX0412



PX0413



PXS400



PX0441
PX0442



PX0444



PX0456



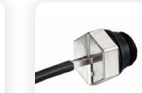
PX0446
PX0447



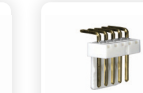
PX0443
PX0459



PX0457
PX0458



Sealing Can



PCB Header



PX0480
PX0480/1
PX0481
PX0484
PX0485



PX0415/1



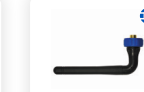
PX0416



PX0414



PX0407
PX0408
PX0409



PX0407/90



PX0408/90



PX0409/90

Circular Connectors

// 4000 Series

Quick Points:



// Power

- Rapid twist lock coupling
- 2, 3, 4, 6, 8, 10 & 12 pole power up to 600V, 13A
- Sealed to IP66, IP68 & IP69K when mated
- Solder & 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

// Data (C-Type USB)

- Data rates up to 20 Gbps
- USB3.2 supported
- Secure, proven locking system
- Tamperproof construction
- Plug & Play capability
- IP66, IP68 & IP69K rated
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

// Data (SPE)

- 10BASE-T1L Performance in accordance with IEC 61156-12:2021
- Single and double-ended cable assemblies
- 22 AWG and 26 AWG cable options
- Front and Rear Panel Mounts
- Bayonet coupling
- IP66, IP68 & IP69K rated
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Body Style & Part Number Information:

// Power

- Flex Connector - PXP4010
- Flex In-line - PXP4011
- Panel Mount - PXP4012, PXP4015
- Pre-wired Flex - PXP4000
- Pre-wired Right-angled Flex - PXP4002
- Sealing Caps

// Data (Micro USB)

- Flex Connector Standard A to Micro B PXP4040
- Rear Panel Mount Micro B PXP4043
- Sealing Caps / Gland Packs / O-Rings

// Data (C-Type USB)

- Pre-Wired C-Type-A / USB V3.2 Gen 1 Cable PXP4040/C/A
- Rear Panel Mount / C-Type Micro USB PXP4043/C
- Pre-Wired C-Type-C / USB V3.2 Gen 2x2 Cable PXP4041/C/C

// Data (SPE)

- Flex to IP20 Patch Cord - PXPSPE4030
- Flex to Flex Patch Cord - PXPSPE4031
- Front Panel Mount - PXPSPE4032
- Rear Panel Mount - PXPSPE4033
- Flex to Open Patch Cord - PXPSPE4034

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

// 4000 Series Product Range:



Circular Connectors

// 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 (USB)

Plastic Versions Only

- Push / Pull coupling
- Single & double ended sealed cable assembly
- Flex Connector available in 2m, 3m & 5m lengths
- Leaded with 5 Way Crimp Connector (Lead Version only)

// 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

Body Style & Part Number Information:

// Power

- Flex Connector
PXP6010, PXM6010
- Flex In-line
PXP6011, PXM6011
- Panel Mount
PXP6012, PXM6012
- Sealing Cap Accessory
PXP6081, PXM6081
PXP6082, PXM6082
PXP6083, PXM6083
- Gland Packs
- Sealing Caps

// Data (USB)

- Pre-Wired Overmould USB V2.0 Cable
PXP6040
- Pre-Wired Overmould USB V2.0 Cable / Double Ended
PXP6041
- Front Panel Mount USB 2.0 / Sealed Type A/B
PXP6042
- Front Panel Mount / Leaded USB 2.0 Type A/B
PXP6043
- Front Panel Mount Connector
PXP6042/A, PXP6042/B
- Front Panel Mount Leaded USB Connector
PXP6043/A, PXP6043/B
- Sealing Caps

// Data (Ethernet)

- Rewireable Flex Cable Connector
PXP6034, PXM6034
- Pre-Wired Patch Cord Overmould Connector
PXP6037, PXP6038
- Front Panel Mount Connector / RJ45
PXP6033, PXM6033
- Sealing Caps

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

// 6000 Series Product Range:


PXP6010


PXM6010


PXP6011


PXM6011


PXP6012


PXM6012


PXP6040


PXP6041


PXP6042


PXP6043


PXP6042/A


PXP6042/B


PXP6043/A


PXP6043/B


PXP6034


PXM6034


PXP6037
PXP6038


PXP6033


PXM6033


Sealing Caps

Circular Connectors

// 7000 Series	Quick Points:	Body Style & Part Number Information:
	// 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	// Power ○ Flex Connector PXP7010, PXM7010 ○ Flex In-line PXP7011, PXM7011 ○ Panel Mount PXP7012, PXM7012 ○ Sealing Caps ○ Gland Packs ○ Solder & Crimp Contacts ○ Tools & Accessories

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

// 7000 Series Product Range:



PXP7010



PXM7010



PXP7011



PXM7011



PXP7012



PXM7012



Sealing Caps

// 9000 Series	Quick Points:	Body Style & Part Number Information:
	// Power ○ Bayonet 1/4 Turn locking mechanism ○ 2 to 11 Contacts - up to 225A, 1250V AC RMS ○ Screw Turn locking ○ 300+ AMP contacts upon request ○ Positive feedback on locking mechanism ○ IP68 when mated (for parts with backshell) ○ Flex Body, Flex Body Inline & Flange Mount available ○ Visual alignment features	// Power ○ Flex Connector - PXP9010, PXP9050 ○ Flex In-Line Connector - PXP9011, PXP9051 ○ Flange Panel Mount Connector - PXP9012, PXP9052 *4 Inch screw on back shells for cable mount screw & bayonet series. Must be potted for IP68 ratings.

A range of **high amperage flex body, flex body inline & flange mount connectors** rated to IP68. These **Delrin housing multi-pin circular connectors** are ideal for applications where **dust & water ingress** must be **avoided** & ease of connection to high ratings must be achieved.

// 9000 Series Product Range:



PXP9050



PXP9010

Circular Connectors

// EXPlora Series	Quick Points:	Body Style & Part Number Information:
	// Power - Quick start thread coupling - Plug or socket versions 7-13mm cable acceptance - EXP-0 14-22mm cable acceptance - EXP-A - Strain Relief Clamp - EXP-A Series - Up to 18A, 600V AC/DC rating 2, 3, 4, 5, 7 & 10 pole	// Power - Flex Connector - EXP-0911, EXP-A911 - Flex In-line - EXP-0921, EXP-A921 - Panel Mount - EXP-0931 - Panel Mount (with Flange) - EXP-0941 - Sealing Caps - EXP-0990, EXP-0991, EXP-0992 - Gland Packs - EXP-A980, EXP-0980

The EXPlora range is most suited to **manufacturers of ancillary electrical equipment** such as **motors, pumps, lighting equipment, process & control gear** for use in factories & plant where hazardous or explosive atmospheres can be caused by flammable gases, mists or vapours or by combustible dusts.

// EXPlora Series Product Range:



EXP-0911



EXP-A911



EXP-0921



EXP-A921



EXP-0931



EXP-0941



EXP-0990
EXP-0991
EXP-0992



EXP-A980
EXP-0980

// 900 Series	Quick Points:	Body Style & Part Number Information:
	// Power - Quick start thread coupling - Flex Cable Connector 2, 3, 4, 5, 7 & 10 pole - Plug or socket versions 32A, 600 V (7 Pole 430V) 7-22mm cable acceptance (7-13mm PX0, 14-22mm PXA) - Overall diameter 58mm	// Power - Flex Connector - PX0911, PXA911 - Flex In-line - PX0921, PXA921 - Panel Mount - PX0931 - Panel Mount (with Flange) - PX0941 - Additional Bulkhead Adapter Molding - PX0950

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**.

// 900 Series Product Range:



PX0911



PXA911



PX0921



PXA921



PX0931



PX0941



PX0950



PX0960
PX0970
PX0990
PX0991
PX0992



PX0980
PXA980

Circular Connectors

// Fiber Series	Quick Points:		
	// Fiber (Simplex)	// Fiber (Duplex)	// Fiber (Expanded Beam)
	○ Cabled /Versions: 0S1, 0M1, 0M3 ○ Cabled 5 to 450M ○ Simplex LC-Type interface ○ Sealed to IP66 IP68 & IP69K when mated ○ Flex, Inline, Rear & Front panel ○ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1	○ Cabled /Versions: 0S1, 0M1, 0M3 ○ Cabled 5 to 450M ○ Duplex LC-Type interface ○ Sealed to IP66 IP68 & IP69K when mated ○ Flex, Inline, Rear & Front panel ○ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1	○ Designed to MIL-DTL-83526D ○ Cable range from 1 to 450m ○ Compatible with any connector that follows MIL-DTL-83526D ○ Available with 2 & 4 channels ○ Plug, Jam Nut & Flange Mount connector body options ○ Plug to Plug, Plug to LC & Plug to SC cable assembly options available

The Bulgin Circular Fiber Connector range offer **high quality & reliable** Fiber connectivity solutions. Suitable for use in industries such as **Outdoor Broadcast, FTTX (Fiber to the X), Server Room Engineering, Civil Engineering, Marine, Aviation & Rail Applications.**

Body Style & Part Number Information:		
// Fiber (Simplex)	// Fiber (Duplex)	// Fiber (Expanded Beam)
○ Flex Fiber Connector / No Cable PXF4050 ○ Inline Fiber Connector / No Cable PXF4051 ○ Rear Panel Mount Fiber Connector / No Cable PXF4053 ○ Flex to Flex Fiber Connector PXF4055 ○ Flex to Inline Fiber Connector PXF4054 ○ Rear Panel Mount / Fiber to LC Connector PXF4053 ○ Flex to LC Fiber Connector PXF4050 ○ Inline to LC Fiber Connector PXF4051	○ Flex Fiber Connector / No Cable PXF6050 ○ Inline Fiber Connector / No Cable PXF6051 ○ Front Panel Mount Fiber Connector / No Cable PXF6052 ○ Flex to Inline Fiber Connector PXF6054 ○ Flex to Flex Fiber Connector PXF6055 ○ Flex to LC Fiber Connector PXF6050 ○ Inline to LC Fiber Connector PXF6051 ○ Front Panel Mount / Fiber to LC Connector PXF6052	○ 2 & 4 Channel Plug Connector PXEB5200MMXXXX, PXEB5400MMXXXX ○ 2 & 4 Channel Jam Nut Bulkhead Connector PXEB5210XX, PXEB5410XX ○ 2 & 4 Channel Jam Nut Bulkhead Connector with Cable Retention PXEB5210MMXXXX, PXEB5410MMXXXX ○ 2 & 4 Channel Flange Mount Bulkhead Connector PXEB5220XX, PXEB5420XX ○ 2 & 4 Channel Flange Mount Bulkhead Connector with Cable Retention PXEB5220MMXXXX, PXEB5420MMXXXX ○ 2 & 4 Channel Plug to Plug Connector Cable Assembly PXEB5201XXXX, PXEB5401XXXX ○ 2 & 4 Channel Plug to LC Connector Cable Assembly PXEB5202XXXX, PXEB5402XXXX ○ 2 & 4 Channel Plug to SC Connector Cable Assembly PXEB5203XXXX, PXEB5403XXXX ○ 2 & 4 Channel Jam Nut to LC Connector Cable Assembly PXEB5212XXXX, PXEB5412XXXX ○ 2 & 4 Channel Jam Nut to SC Connector Cable Assembly PXEB5213XXXX, PXEB5413XXXX ○ 2 & 4 Channel Flange Mount to LC Connector Cable Assembly PXEB5222XXXX, PXEB5422XXXX ○ 2 & 4 Channel Flange Mount to SC Connector Cable Assembly PXEB5223XXXX, PXEB5423XXXX ○ 2 & 4 Channel Inserts - PXEB5X80 ○ Plug, Jam Nut & Flange Mount Bulkhead Dust Caps - PXEB508X ○ LC & SC Termination Kits - PXEB508X9X ○ Fiber Cable Crimp Tool - PXEB5083X

Circular Connectors

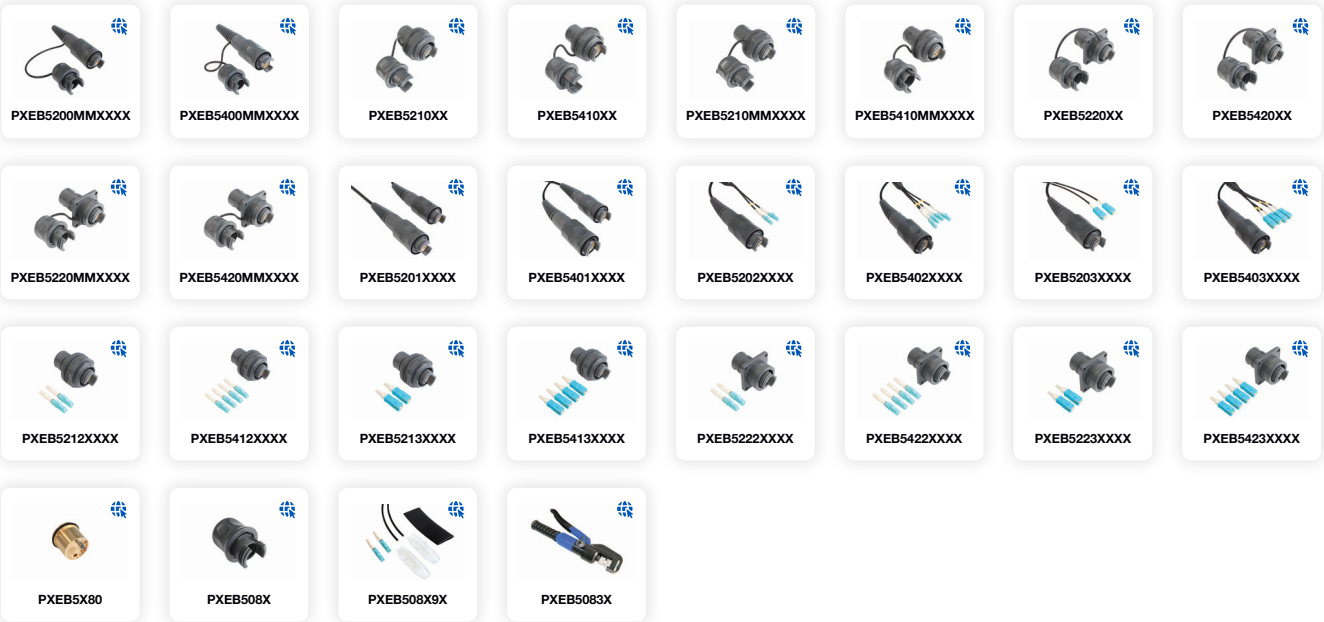
// 4000 Fiber Simplex:



// 6000 Fiber Duplex:



// 5000 Expanded Beam:



Circular Connectors

// M Series

Quick Points:



// Power & Data

- Available types: M5, M8, M12, M16 & M23
- Reliable sensor, actuator & data connectivity solutions
- Quick & secure screw coupling mechanism
Available as field attachable connectors, receptacles or with overmolded cables
- Plastic & metal variants
- Ratings from 1A, 30V AC/DC up to 8A, 250V AC/DC
- Overmolded cables PVC & PUR
- IP67 rating
- Cable lengths from 1m - 15m
- A, B & D coding options

// Product Codes:

- A - Sensors, DC Power & 1 Gbit Ethernet
- B - Profibus
- D - AC power
- X - 10 Gbit ethernet
- L, P, S & T - product codes

The Bulgin M-Series Connector Range is the **ideal connectivity solution** for **industrial automation technologies** that require **fast, secure & reliable connections** with a **high degree of environmental protection**. The M-Series Circular Connectors offer the industry standard **M5, M8, M12 (including X-Code), M16 & M23** threads in addition to **panel mount receptacles, overmolded cable variants & power/signal distribution units**. Suitable for industry applications including **factory automation, robotics, manufacturing, process control, medical, food & beverage processing & industrial network**.

Body Style & Part Number Information:

// M5 Series

- Front Panel Mount Connector / Male
PXMBNI05FPM
- Rear Panel Mount Connector
PXMBNI05RPF, PXMBNI05RPM
- Inline Connector / Male
PXPTPU05FIM, PXPPVC05FIM
- Flex Body Connector / Female
PXPTPU05FBF, PXPPVC05FBF
- Right Angled Flex Body Connector
PXPTPU05RAF, PXPPVC05RAF,
PXPTPU05RAM, PXPPVC05RAM

// M16 Series

- Brass Nickel Plated Inline Connector / Male
PXMBNI16FIM
- Brass Nickel Plated Flex Body Connector / Female
PXMBNI16FBF
- Panel Mount Connector
PXMBNI16RPF, PXMBNI16RPM

// M23 Series

- Brass Nickel Plated Inline Connector
PXMBNI23FIM
- Brass Nickel Plated Flex Body Connector
PXMBNI23FBF
- Brass Nickel Plated Right Angled Flex Body Connector
PXMBNI23RAF
- Front Panel Mount Connector / Male
PXMBNI23FPM

// M8 Series

- Rear Panel Mount Connector
PXMBNI08RPM, PXMBNI08RPF
- Front Panel Mount Connector
PXMBNI08FPF, PXMBNI08FPM
- Inline Overmould Connector / Male
PXPTPU08FIM, PXPPVC08FIM
- Inline Overmould Connector / Female
PXPTPU08FBF, PXPPVC08FBF
- Brass Nickel Plated Inline Connector / Male
PXMBNI08FIM
- Brass Nickel Plated Flex Body Connector / Female
PXMBNI08FBF
- Inline Connector / Male
PXPPAM08FIM
- Flex Body Connector / Female
PXPPAM08FBF
- Right Angled Flex Body Connector
PXPTPU08RAF, PXPPVC08RAF,
PXPTPU08RAM, PXPPVC08RAM
- Y-Type Splitter Connector
PXPPVC08FIM
- T-Type Splitter Connector
PXPPVC08TSMM, PXPPVC08TSFF
- Right Angled Rear Panel Mount Connector / PCB
PXMBNI08RAF, PXMBNI08RAM

// Distribution Units

- M-Series Distribution Units
BOX1M1205MA05M1205F, BOX1M1212MA08M803F,
BOX1M1205MA09M1205F

// M12 Series

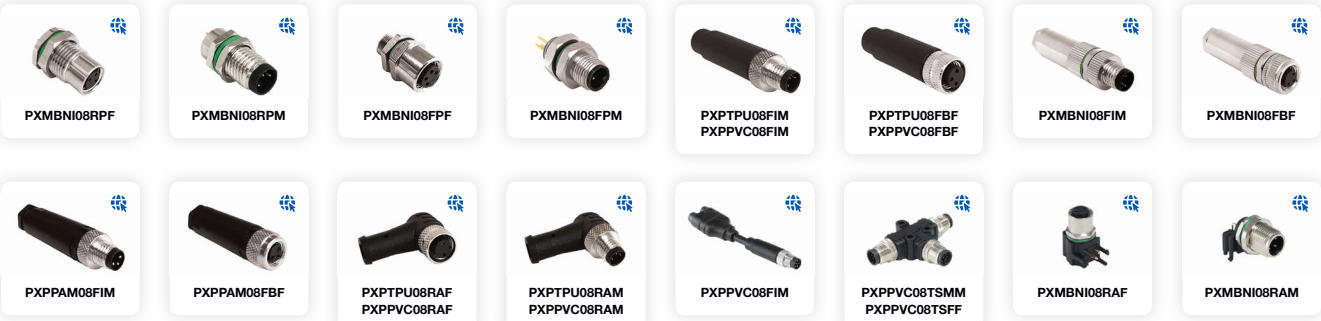
- Front & Rear Panel Mount Connector / Flying Lead
PXMBNI12RPM, PXMBNI12RPF, PXMBNI12FPF, PXMBNI12FPM
- Rear Panel Mount Connector
PXMBNI12RPM, PXMBNI12RPF, X-Code
- Inline Connector / Male
PXPPAM12FIM
- Flex Body Connector / Female
PXPPAM12FBF
- Right Angled Flex Body Connector
PXPPAM12RAM, PXPPAM12RAF
- Brass Nickel Plated Inline Connector / Male
PXMBNI12FIM
- Brass Nickel Plated Inline Connector / Female
PXMBNI12FBF
- Right Angled Flex Body Overmould Connector
PXPTPU12RAF, PXPPVC12RAF, PXPTPU12RAM, PXPPVC12RAM
- Flex Body Overmould Connector / Female
PXPTPU12FBF, PXPPVC12FBF
- Inline Overmould Connector / Male
PXPTPU12FIM, PXPPVC12FIM
- X-Code / Rear Panel Mount Connector / RJ45
PXMBNI12RAF08XRJM16, PXMBNI12RPM08XRJM16
- X-Code / Overmould Cable Connector
PXPTPU12FIM, PXPTPU12FBF
- Right Angled Rear Panel Mount Connector
PXMBNI12RA
- Surface Mount Terminal Connector
PXPLCP12SM
- X-Code / Surface Mount Terminal Connector
PXPLCP12SM
- T-Type Splitter Connector
PXPPVC12TS
- Fixed Flange Connector
PXMBNI12FL
- Inline Connector / Female
PXPPNP12FBF
- Right Angled Inline Overmould Connector / Female
PXPPNP12RAF
- Sealing Caps
M12 Series Automation Connectors

Circular Connectors

// M5 Series Product Range:



// M8 Series Product Range:



// M12 Series Product Range:



// M16 Series Product Range:



Circular Connectors

// M23 Series Product Range:



// Distribution Unit Product Range:



// 7/8" Series

Quick Points:

Three 7/8 inch connectors are shown: a straight-through female connector, a right-angled male connector, and a front panel mounting female connector.

// 7/8" Series

- Available with 3, 4 & 5 Contacts
- Wire Gauge 16-20 AWG
- High degree of environmental protection - IP67 rated
- Available in Right-Angle, Flex Body and Front Panel Mount
- Secure & reliable screw-locking mechanism

- Insulation resistance 100 megohms minimum
- Accepts contact size 1.3 mm (up to 17 amps gold, up to 8 amps tin)
- Operating at temperatures -25°C to +85°C
- Voltage: 300V
- Robust PUR overmoulded cables

Our 7/8" Series Circular Automation Connectors provide rugged and field-proven performance. Available as **Flex Body or Right-Angled** variants, they are provided with or without cable. Either as a **Field-Terminated** variant with a screw terminal connection or as **overmoulded connectors** with predetermined cable.

Body Style & Part Number Information:

// 7/8" Series	
○ 7/8" Right-Angled Female Connector - PXPTPU78RAF	○ 7/8" Front Panel Mounting Female Flying Leads - PXMBNI78FPF
○ 7/8" Right-Angled Male Connector - PXPTPU78RAM	○ 7/8" Front Panel Mounting Male Flying Leads - PXMBNI78FPM
○ 7/8" Flex Body Female Connector - PXPTPU78FBF	○ 7/8" Flex Body Female Cable Assembly - PXPTPU78FBF
○ 7/8" Flex Body Male Connector - PXPTPU78FIM	○ 7/8" Flex Body Male Cable Assembly - PXPTPU78FIM
○ 7/8" Front Panel Mounting Female Connector - PXMBNI78FPF	○ 7/8" Right-Angled Female Cable Assembly - PXPTPU78RAF
○ 7/8" Front Panel Mounting Male Connector - PXMBNI78FPM	○ 7/8" Right-Angled Male Cable Assembly - PXPTPU78RAM

// 7/8" Series:



Circular Connectors

// Push-Pull Series

Quick Points:



// Push-Pull (X Series)

- Multiple contacts from 2 to 30
- Secure Push-Pull self-latching system
- Multiple key options to avoid mismatching
- Solder contacts
- High packing density for space savings on fixed sockets (panel mount connectors) & straight plug connectors
- >4500 cycles
- IP50 rated
- 360-degree screening for full EMI shielding
- ROHS compliant

// Push-Pull (Y Series)

- Multiple contacts from 2 to 30
- IP66 rated
- 360-degree screening for full EMC shielding
- Keying system (G key standard) for connector alignment
- Multiple key features to avoid cross mating of similar connectors
- Rugged housing for extreme working conditions; watertight connection
- Solder contacts (straight plug & fixed socket)
- High packing density for space savings
- Security of the Push-Pull latching system
- >4500 cycles

Our **Push-Pull Connectors** are suitable for **high-reliability & high-quality applications** in **medical, instrumentation, military & communications**, where a **fast method to connect / disconnect** is required. They are manufactured to **prevent accidental disconnects** with a simple but fast **strong-locking mechanism**.

Body Style & Part Number Information:

// X Series

- 00 Series Fixed Socket Push Pull Connector - PPCEGG00
- 00 Series Straight Plug Push Pull Connector - PPCFGG00
- 0X Series Fixed Socket Push Pull Connector - PPCEGG0B
- 0X Series Straight Plug Push Pull Connector - PPCFGG0B
- 1X Series Fixed Socket Push Pull Connector - PPCEGG1B
- 1X Series Straight Plug Push Pull Connector - PPCFGG1B
- 2X Series Fixed Socket Push Pull Connector - PPCEGG2B
- 2X Series Straight Plug Push Pull Connector - PPCFGG2B
- 3X Series Fixed Socket Push Pull Connector - PPCEGG3B
- 3X Series Straight Plug Push Pull Connector- PPCFGG3B

// Y Series

- 0Y Series Fixed Socket Push Pull Connector - PPCEGG0K
- 0Y Series Straight Plug Push Pull Connector - PPCFGG0K
- 1Y Series Fixed Socket Push Pull Connector - PPCEGG1K
- 1Y Series Straight Plug Push Pull Connector - PPCFGG1K
- 2Y Series Fixed Socket Push Pull Connector - PPCEGG2K
- 2Y Series Straight Plug Push Pull Connector - PPCFGG2K
- 3Y Series Fixed Socket Push Pull Connector - PPCEGG3K
- 3Y Series Straight Plug Push Pull Connector - PPCFGG3K

// X Series Product Range:



PPCEGG00



PPCFGG00



PPCEGG0B



PPCFGG0B



PPCEGG1B



PPCFGG1B



PPCEGG2B



PPCFGG2B



PPCEGG3B



PPCFGG3B

// Y Series Product Range:



PPCEGG0K



PPCFGG0K



PPCEGG1K



PPCFGG1K



PPCEGG2K



PPCFGG2K



PPCEGG3K



PPCFGG3K

Circular Connectors

// Radio Frequency (RF) Series



Quick Points:

// Radio Frequency (RF)

- 50-ohm impedance
- Insulation resistance >5000MΩ
- Durability >500 Cycles
- Available in male & female threads
- Available in plug or jack
- Beryllium copper contact pin
- Body material available in stainless steel passivation & brass with gold plating

// (RF) Series Types:

- 1.85mm
- 2.40mm
- 2.92mm
- N Type
- SMA
- SSMA
- TNCA
- RF Adapter
- RF Termination

Body Style & Part Number Information:

// 1.85mm Series

- 1.85mm Series Socket 2 & 4 Hole Flange
RF185A Series

// N Type Series

- N Type Series Bulkhead
RFNB
- N Type Series Socket 4 Hole Flange
RFNA4
- N Type Series Pin with Extended PTFE 4 Hole Flange
RFNA4WEPTFE
- N Type Series Pin without Extended PTFE 4 Hole Flange
RFNA4WOEPTFE

// SMA Series

- SMA Series Bulkhead
RFSMAB
- SMA Series Edge Launch Connector
RFSMAEDGELC
- SMA Series End Launch Connector
RFSMAENDLC
- SMA Series Socket 4 Hole Flange
RFSMAA4
- SMA Series Socket 2 Hole Flange
RFSMAA2
- SMA Series Pin with Extended PTFE 4 Hole Flange
RFSMAA4WEPTFE
- SMA Series Pin without Extended PTFE 4 Hole Flange
RFSMAA4WOEPTFE
- SMA Series Pin without Extended PTFE 2 Hole Flange
RFSMAA2WOEPTFE
- SMA Series Pin with Extended PTFE 2 Hole Flange
RFSMAA2WEPTFE
- SMA Series Flange Mount (RoundPost)
RFSMAA4RP

// SSMA Series

- SSMA Series Socket 4 Hole Flange
RFSSMAA4
- SSMA Series Pin with Extended PTFE 4 Hole Flange
RFSSMAA4WEPTFE
- SSMA Series Socket 2 Hole Flange
RFSSMAA2
- SSMA Series Pin with Extended PTFE 2 Hole Flange
RFSSMAA2WEPTFE

// 2.40mm Series

- 2.40mm Series End Launch Connector
RF240E
- 2.40mm Series Socket 4 Hole Flange
RF240A4
- 2.40mm Series Socket 2 Hole Flange
RF240A2
- 2.40mm Series Pin with Extended PTFE 4 Hole Flange
RF240A4WEPTFE
- 2.40mm Series Pin without Extended PTFE 4 Hole Flange
RF240A4WOEPTFE
- 2.40mm Series Pin with Extended PTFE 2 Hole Flange
RF240A2WEPTFE
- 2.40mm Series Pin without Extended PTFE 2 Hole Flange
RF240A2WOEPTFE

// TNCA Series

- TNCA Series Socket 4 Hole Flange
RFTNCAA4
- TNCA Series Pin with Extended PTFE 4 Hole Flange
RFTNCAA4WEPTFE
- TNCA Series Pin without Extended PTFE 4 Hole Flange
RFTNCAA4WOEPTFE

// RF Adapter Series

- RF Adapter Series 1.85mm Straight
RFAA185
- RF Adapter Series 2.40mm Straight
RFAA240
- RF Adapter Series 2.92mm Straight
RFAA292
- RF Adapter Series 3.50mm Straight
RFAA350
- RF Adapter Series N Type Straight
RFAAN
- RF Adapter Series SMA Straight
RFAASMA
- RF Adapter Series TNC Straight
RFAATNC
- RF Adapter Series BNC Straight
RFAABNC
- RF Adapter Series APC-7 Straight
RFAAAPC7
- RF Adapter Series Flange Mount
RFAA4
- RF Adapter Series Right Angle
RFARA

// 2.92mm Series

- 2.92mm Series Socket 4 Hole Flange
RF292A4
- 2.92mm Series Socket 2 Hole Flange
RF292A2
- 2.92mm Series Pin with Extended PTFE 4 Hole Flange
RF292A4WEPTFE
- 2.92mm Series Pin without Extended PTFE 4 Hole Flange
RF292A4WOEPTFE
- 2.92mm Series Pin with Extended PTFE 2 Hole Flange
RF292A2WEPTFE
- 2.92mm Series Pin without Extended PTFE 2 Hole Flange
RF292A2WOEPTFE
- 2.92mm Series Edge Launch Connector
RF292EDGELC
- 2.92mm Series End Launch Connector
RF292ENDLC
- 2.92mm Series Compression Mount Connector
RF292CMC
- 2.92mm Series Straight Connector
RF292ASC

// RF Termination Series

- RF Termination Series 2.40mm
RFTERM240
- RF Termination Series 2.92mm
RFTERM292
- RF Termination Series 3.50mm
RFTERM350
- RF Termination Series N Type
RFTERMN
- RF Termination Series SMA
RFTERMSMA

The Bulgin **Radio Frequency (RF)** connector range offers optimised solutions to work with a wide range of signals at various frequency levels with low losses. These connectors are expertly designed to work with coaxial cables to operate at multiple Gigahertz, offering protection & a standard shielding with coaxial hardware.

Circular Connectors

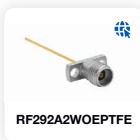
// 1.85mm Series Product Range:



// 2.40mm Series Product Range:



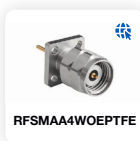
// 2.92mm Series Product Range:



// N Type Series Product Range:



// SMA Series Product Range:



Circular Connectors

// SSMA Series Product Range:


RFSSMAA4


RFSSMAA4WEPTFE


RFSSMAA2


RFSSMAA2WEPTFE

// TNCA Series Product Range:


RFTNCAA4


RFTNCAA4WEPTFE


RFTNCAA4WEOPTFE

// RF Adapter Series Product Range:


RFAA185


RFAA240


RFAA292


RFAA350


RFAAN


RFAASMA


RFAATNC


RFAABNC


RFAAAPC7


RFAA4


RFARA

// RF Termination Series Product Range:


RFTERM240


RFTERM292


RFTERM350


RFTERMN


RFTERMSMA

Rectangular Connectors

// Rectangular Series

Quick Points:



// Standard

- 2, 3, 4, 6, 8 & 12 contact count
- IP68 when mated
- Choice of Enhanced Seal Retention (ESR), Protective End Caps (PEC), Shrink Boot Adapters (SBA), Terminating Resistors (TER) & a Y-Type Connector (YTY)
- Wedge-locks aid in the alignment and the retention
- Accepts 14-20 AWG

// Miniature

- Insulation Resistance: 1000 megohms minimum at 25°C Operating temperatures -55°C to +125°C
- IP68 rating when mated
- Male and female options
- Latch ensures secure mating
- Available with Protective End Caps (PEC)
- Wedgelocks aid in the alignment and retention of contacts
- Accepts 14 - 22 AWG

// Power

- Insulation Resistance: 1000 megohms minimum at 25°C Operating temperatures -55°C to +125°C
- IP68 when mated
- Male and female options
- Latch ensures secure mating
- Available with Protective End Cap (PEC)
- Wedgelocks aid in the alignment and retention of contacts
- Accepts 10 - 14 AWG cable

// Automotive

- Insulation Resistance: 2000 megohms
- Operating temperatures -40°C to +125°C
- IP67 when mated
- Current rating 14A
- Male and female option
- Latch ensures secure mating
- Wedgelocks aid in the alignment and retention of contacts
- Accepts 13-22 AWG cable

The Bulgin Rectangular Power Connector range offers a **reliable, rugged solution** for **cable to cable applications** in **harsh environments** with its **environmentally sealed** range of products. The series has a **male & female** option, as well as modifications including **enhanced seal retention, protective end caps, shrink boot adapters, welded flange, terminating resistors & a Y-Type connector** for **industrial & automotive** industries.

Body Style & Part Number Information:

// Standard Rectangular Series

- Standard Rectangular Connector Male / Female PX0100, PX0101
- Standard Rectangular Connector Male - ESR PX0102
- Standard Rectangular Connector Male - ESR & PEC PX0103
- Standard Rectangular Connector Male - ESR & SBA PX0104
- Standard Rectangular Connector Male - PEC PX0105
- Standard Rectangular Connector Female - PEC PX0106
- Standard Rectangular Connector Male - SBA PX0108
- Standard Rectangular Connector Female - SBA PX0109
- Standard Rectangular Connector Male - TER PX0110
- Standard Rectangular Connector Female - TER PX0111
- Standard Rectangular Connector Female - YTY PX0113
- Standard Rectangular Connector - Wedgelocks
- Standard Rectangular Connector - Contacts
- Standard Rectangular Connector - Tooling

// Miniature Rectangular Series

- Miniature Rectangular Connector Male PX0010
- Miniature Rectangular Connector Female PX0011
- Miniature Rectangular Connector Male - PEC PX0012
- Miniature Rectangular Connector Female - PEC PX0013
- Miniature Rectangular Connector - Wedgelocks
- Miniature Rectangular Connector - Contacts
- Miniature Rectangular Connector - Tooling

// Power Rectangular Series

- Power Rectangular Connector Male PX1000
- Power Rectangular Connector Female PX1001
- Power Rectangular Connector Male - PEC PX1002
- Power Rectangular Connector Female - PEC PX1003
- Power Rectangular Connector - Wedgelocks
- Power Rectangular Connector - Contacts
- Power Rectangular Connector - Tooling

// Automotive Rectangular Series

- Automotive Rectangular Connector 1.5mm Male Terminals PX2000
- Automotive Rectangular Connector 1.5mm Female Terminals PX2000
- Automotive Rectangular Connector - Seals
- Automotive Rectangular Connector - Contacts
- Automotive Rectangular Connector - Tooling

Rectangular Connectors

// Standard Series Product Range:

 PX0100	 PX0101	 PX0102	 PX0103	 PX0105	 PX0106	 PX0108
 PX0109	 PX0110	 PX0111	 PX0113	 WEDGELOCKS	 CONTACTS	 TOOLING

// Miniature Series Product Range:

 PX0010	 PX0011	 PX0012	 PX0013	 WEDGELOCKS	 CONTACTS	 TOOLING
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// Power Series Product Range:

 PX1000	 PX1001	 PX1002	 PX1003	 WEDGELOCKS	 CONTACTS	 TOOLING
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// Automotive Series Product Range:

 PX2000	 PX2001	 SEALS	 CONTACTS	 TOOLING
---	---	--	---	--

Switches

// Push Button Switches

Quick Points:



// Push Button Switches

- Miniature, round & rectangular push button switches available
- Ratings up to 16A, 250V AC 12(12)A 250V AC rating also available
- Latching & momentary actions
- Choice of actuators (custom option also available)
- Square & round mounting styles

Bulgin's **broad line of Push Button switches** are available in **various sizes & configurations**. This includes a **variety of illumination & 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 & security**.

Body Style & Part Number Information:

// Push Button Switches

- | | |
|---|--|
| ○ 7000 Series Push Button Switches
7000, 7001, 7003, 7004, 7050, 7051, 7053, 7054, 7030 | ○ 0911 Push Button Switches
0911 |
| ○ 8300 Series Push Button Switches
8300, 8301, 8303, 8304, 8350, 8351, 8353, 8354, 8355, 8356 | ○ MP0022 Series 14.5mm x 9.5mm Panel Cutout Rectangular Push Button Switches
MP0022 |
| ○ 8200 Series Push Button Switches
8200, 8201, 8250, 8251 | ○ 6.6mm Panel Cutout Rear Panel Mount Push Button Switches
MP0016 |
| ○ 0916 Series 7mm or 19mm Panel Cutout Low Current Push Button Switches
0916, 0917, 0918, 0919, 0920 | ○ 19mm Panel Cutout Front Panel Mount Push Button Switches
MP0012, MP0012/1 |

// Push Button Switch Product Range:



7000



8300



8200



0916



0911



MP0022



MP0016



MP0012

Switches

// Vandal Resistant Switches



Quick Points:

// Vandal Resistant Switches

- Front & 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 & ring LED illuminated versions
- Illumination voltages 6, 12 & 24V sources
- Variety of illumination colours & are now available with front & rear of panel sealing options

Manufactured from **Stainless Steel**, Bulgin's **extensive range of Vandal Resistant Security Switches** are designed with a **high resistance to wear & tear, corrosion & harsh use** in potentially hostile environments such as access control applications. Able to withstand **extreme temperatures, dust, rain, snow, ice, dirt & moisture**, our **rugged Anti Vandal Switches** are built for **tough, demanding** applications that may be subject to abuse & damage such as kiosks, elevators, pedestrian crossings & ticket machines.

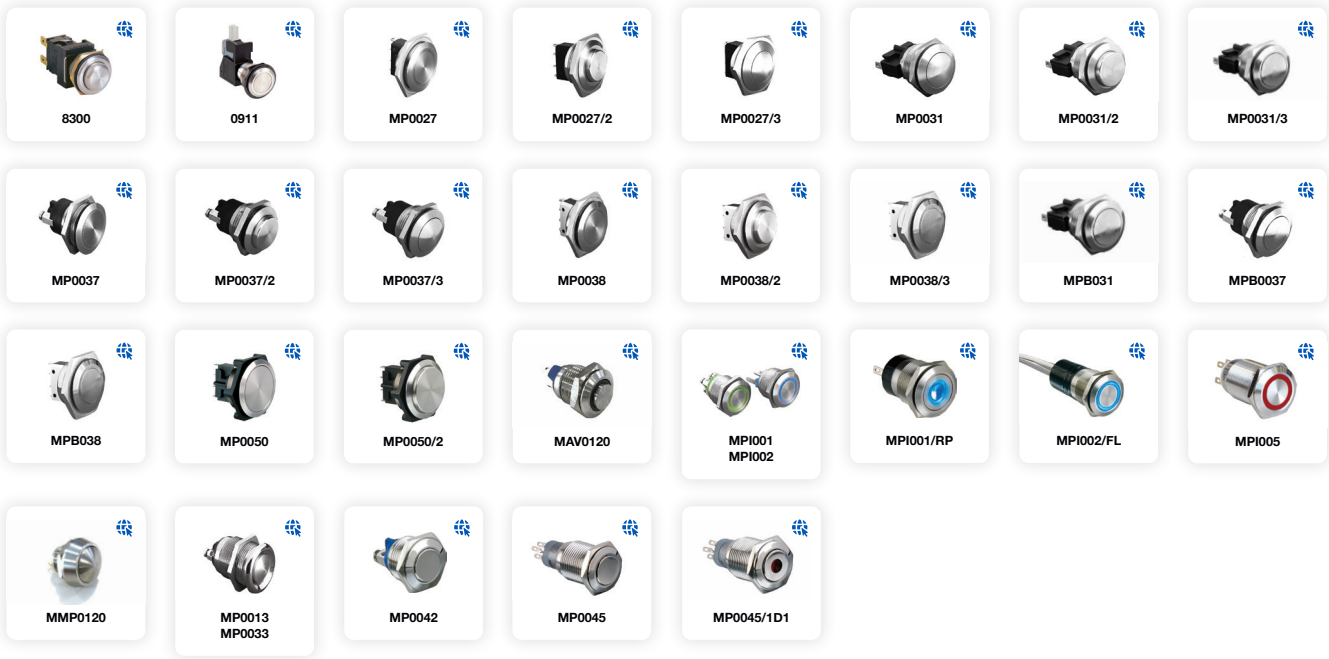
Body Style & Part Number Information:

// Vandal Resistant Switches

- 8300 Vandal Resistant Switches - R, V or P Actuators
8300, 8301, 8350, 8351
- 0911 Push Button Switches - V Actuator
0911
- Stainless Steel Low Profile Vandal Resistant Push Button Switches
MP0027, MP0031, MP0037, MP0038
- Stainless Steel Domed Vandal Resistant Push Button Switches
MP0027/3, MP0031/3, MP0037/3, MP0038/3
- Brass Chrome Plated Low Profile Vandal Resistant Push Button Switches
MPB031, MPB0037, MPB038, MPB038/3
- 27mm Panel Cutout Stainless Steel Large Diameter Vandal Resistant Push Button Switches
MP0050, MP0050/2
- 12mm Switches Miniature Stainless Steel Vandal Resistant Prominent Button / Flush Profile
MAV0120, MAV0120/1, MAV0120/3

- Stainless Steel Illuminated Vandal Resistant Push Button Switches
MPI001, MPI002
- Vandal Resistant Push Button Switch
MPI005
- 12mm Switches Miniature Domed Metal Vandal Resistant - None Illuminated - Metal Dome
MMP0120, MMP0120
- MP0013 Series 19mm Panel Cutout Push Button Switches
MP0013, MP0013/2, MP0033, MP0033/2
- MP0042 Series Stainless Steel / Momentary Push Button Switch
MP0042/1, MP0042/2, MP0042/3
- Stainless Steel - Momentary Push Button Switch
MP0045/1D0NN000, MP0045/3D0NN000, MP0045/1E0NN000, MP0045/3E0NN000
- Stainless Steel Illuminated Momentary Push Button Switch
MP0045/1D1, MP0045/1D2, MP0045/1E1, MP0045/1E2

// Vandal Resistant Switch Product Range:



Switches

// Touch Switches

Quick Points:



// Piezo Switches

- Piezo Switches have no moving mechanical parts which offer excellent endurance & durability
- Stainless Steel & aluminium body types
- Ratings up to 1A, 24V AC/DC
- Illuminated & non-illuminated variants available
- Latching & momentary actions
- Sealed to IP68 & IP69K ratings

// Capacitive Switches

- Capacitive switches have no moving mechanical parts which offers excellent endurance & durability
- Stainless steel or anodised aluminium
- Ratings up to 500mA, 24V DC
- Illuminated & non-illuminated variants available
- Latching & momentary actions
- Sealed to IP68 & IP69K ratings

Bulgin's **Touch Switches** are available with either **Piezo** or **Capacitive Technology**. Available in **16mm, 19mm & 22mm** sizes with **Illuminated & Non-Illuminated** options, our **Vandal Resistant Piezo Switches** are **operable with gloves & sealed to IP68/IP69k** standards, making them the **perfect switch solution** for harsh environments.

The **Capacitive Switches** are available in **16mm, 19mm, 22mm & 25mm** diameters, **Stainless Steel** or **Anodised** versions in **black & red**. LED options are **Green, Red, Amber, Red** then **Green, Green** then **Red**. Both **Momentary & Latching** options for **19mm, 22mm & 25mm**. Sealed to **IP68** & impact rated to **IK10** for stainless steel options.

Body Style & Part Number Information:

// Piezo Switches

- Piezo Switch Range
MPZ016, MPZ019, MPZI019, MPZ022, MPZI022

// Capacitive Switches

- Capacitive Switch Range
MC16, MC19, MC22, MC25

// Piezo Switch Product Range:



MPZ

// Capacitive Switch Product Range:



MC

Switches

// Rocker Switches



Quick Points:

// Rocker Switches

- Available types: ultra-thin, miniature, twin unit, round & standard
- Rating from 10A, 250V AC up to 20A, 277V AC
- Single & double pole variants available / illuminated & non-illuminated options
- Push-on, solder & PCB terminals / splash resistant options
- High in-rush (ON-OFF Types)
- Matching indicators
- Choice of bezel styles & sizes, panel cut-outs & actuators
- Choice of switching circuits including 3 position

Bulgin's range of **high quality Rocker Switches** includes a huge choice of **single & double contact** options available in various sizes, colours, terminations, actuator types & **ratings up to 16A, 250Vac**, allowing for virtually any design configuration.

Body Style & Part Number Information:

// Rocker Switches

- Ultra Thin Rocker Switches
8800
- Miniature Rocker Switches / Indicators
8500, 8550, 8580 Indicator
- Miniature Rocker Switches / Matching Indicators
8600, 8650, 8630 Indicator
- 8600 Rocker Switches - Miniature
8620, 8670
- 1250 Rocker Switches
1250, 1250SP
- Splash Resistant Rocker Switches
6055, 6056, 6058, 6059, 6066, 6050, 6051, 6052, 6053, 6054, 6057, 6060, 6061, 6067, 6068, 6090, 6091, 60922, 6062, 6050, 6051, 6052, 6060, 6061, 6062

- Range of Single Pole 2 & 3 Position Rocker Switches
1500, 1300, 0430, 1500, 1510, 1520
- Single Contact Illuminated Rocker Switches
5500, 5503, 5508
- Range of Double Pole 2 & 3 Position Switches Including Selective Rocker Types
1550, 1350, 1484, 1487, 0480, 1551, 1552, 1553, 1560, 1561, 1562, 1570, 1571, 1572
- Splash Resistant Rocker Switches
6000, 6001, 6002, 6008, 6009, 6010, 6011, 6030, 6050
- Round Rocker Switches
R13
- Accessories For Rocker Switches
W42, A8634FB, L180, A0434, L167, G72, W46, A0494, F1344, P1067, L188, G74

// Rocker Switch Product Range:



Switches

// Antimicrobial Switches

Quick Points:



// Antimicrobial Switches

- BioCote antimicrobial material
- Single & double pole options
- Ratings from 15A, 250VAC to 20A, 277VAC
- Choice of bezel styles & sizes
- Illuminated & non-illuminated options available
- 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)

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 & 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.

Body Style & Part Number Information:

// Rocker Switches

- **Minature Rocker Switches / Matching Indicators**
8500, 8550, 8580 Indicator
- **Minature Rocker Switches / Matching Indicators**
8600, 8650, 8630 Indicator
- **Range of Double Contact & 3 Position Selective Rocker Switches**
1550, 1350, 1484, 1487, 0480, 1551, 1552, 1553, 1560, 1561, 1562, 1570, 1571, 1572

// Push Button Switches

- **12.9mm x 19.1mm-19.8mm Panel Cutout Extensive range of Push Button Switches**
8300, 8301, 8350, 8351

// Antimicrobial Switch Product Range:



8500



6050



1550

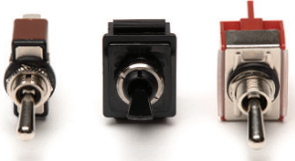


8300

Switches

// Toggle Switches

Quick Points:



// Toggle Switches

- Nylon & metal switch variants / single & double pole
- Multiple lever options
- Ratings up to 20A, 250V AC - 277V AC
- IP67 panel seal versions, supplied complete with gaskets (3900 Series – All Variants)
- Choice of circuit options including 3 position & momentary
- Mounting hole: 12.7mm diameter
- Sealing accessories available
- Quick connect, solder, screw & PCB termination options

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

Body Style & Part Number Information:

// Toggle Switches

- Single & Double Contact Metal Toggle Switches
3900, 3950
- Single & Double Contact Toggle Switches / Nylon Actuators
1700, 1750
- Accessories
A1080MOAAA, M144, T5, T92, M279, M506, A0539MOAAA, A0331MOAAA

// Toggle Switch Product Range:


3900
3950


1700
1750


Accessories

Switches

// Slide Switch & Voltage Selectors

Quick Points:



// Slide Switch & Voltage Selectors

- Ratings up to 16A, 250V AC
- PCB & solder terminals
- Voltage selector models
- Snap in & 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 & 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.

Body Style & Part Number Information:

// Slide Switches

- 2000 Slide Switches - up to 5 position
- 2000 Slide Switches - Snap Fit & Panel Mount Voltage Selector Switches

// Voltage Selector

- Voltage Selector
VS0001, VS0002

// Slide Switch & Voltage Selector Product Range:



2000



2000



VS0001

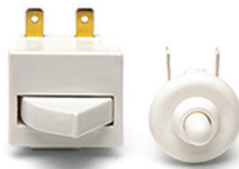


VS0002

// Refrigerator Switches

Quick Points:

Body Style & Part Number Information:



// Refrigerator Switches

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

// Refrigerator Switches

- Refrigerator Door Switches
3100
- Refrigerator Door Switches
3005, 3006
- Refrigerator Door Switches
3141-3145-3146
- Round Door Switches
0055-0056

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

// Refrigerator Switch Product Range:



3100



3005



3141
3145
3146



0055
0056

Battery Holders

// Battery Holders	Quick Points:	Body Style & Part Number Information:
	// Battery Holders ○ Screw & flange panel fixing ○ PCB & base mounting versions ○ Standard fixing & front panel sealed panel mounting versions, IP67 rated ○ Open frame styles available	// Battery Holders ○ AA/R6 Sealed Flanged Panel Mount / 1-3 Cells BXS011/1, BXS012/1, BXS013/1 ○ C/R14 Sealed Panel Mount / 1-3 Cells BXS001/1, BXS002/1, BXS003/1 ○ D/R20 Sealed Flanged Panel Mount / 1-3 Cells BXS016, BXS017, BXS018 ○ AA/R6 Flanged Panel Mount / 1-3 Cells BX0011/1, BX0012/1, BX0013/1 ○ AA/R6 Flanged Panel Mount (Removable Drawer) / 4 Cells BX0027 ○ C/R14 Panel Mount (Screw On Cap) / 1-3 Cells BX0001/1, BX0002/1, BX0003/1 ○ D/R20 Flanged Panel Mount (Cap / Coin Slot) / 1-3 Cells BX0016, BX0017, BX0018 ○ PP3/6R61 Flanged Panel Mount (Removable Drawer) / 1 Cell BX0023 ○ PP3/6R61 Panel Mount (Removable Drawer) / 2 Cells BX0026 ○ CR123 PCB / Base Mount / 1 Cell BX0123 ○ AAA/R03 PCB / Base Mount / 1 Cell BX0034 ○ AA/R6 PCB / Base Mount / 1 Cell BX0035 ○ C/R14 PCB / Base Mount / 1 Cell BX0036 ○ D/R20 PCB / Base Mount / 1 Cell BX0037 ○ PP3/6R61 PCB / Base Mount / 1 Cell BX0033

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

// Battery Holder Product Range:

 BXS011/1 BXS012/1 BXS013/1	 BXS001/1 BXS002/1 BXS003/1	 BXS016 BXS017 BXS018	 BX0011/1 BX0012/1 BX0013/1	 BX0027	 BX0001/1 BX0002/1 BX0003/1	 BX0016 BX0017 BX0018	 BX0023
 BX0026	 BX0123	 BX0034	 BX0035	 BX0036	 BX0037	 BX0033	

IEC Connectors

// IEC Connectors



Quick Points:

// IEC Connectors

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

A full range of **quality** mains rated **Inlets, Outlets & Connectors** conforming to **IEC & EN 60320** specifications carrying **UL, CSA, VDE & other approvals**. With electrical ratings up to **20A, 250V (UL)** these connector ranges offer solutions to most mains powered equipment & cable applications.

Body Style & Part Number Information:	
// IEC Connectors	
○ Snap Fit IEC Power Inlet Panel Mount / 320 C14 PX0575	○ PCB Snap Fit IEC Panel Mount Sheet F Power Outlet / 320 PX0695, PX0695/PC
○ Vertical IEC Inlet Flange Mount / 320 C14 PX0579	○ 2 Pin IEC Flange Mount Sheet H Power Outlet / 320 PX0705
○ Power IEC Inlet Flange Mount / 320 C14 PX0580, PX0580/PC	○ Snap Fit IEC Panel Mount Inlet Outlet Combination / 320 C14 PX0716
○ IEC Connector PCB Mount Flange Rear Mount Inlet PX0580/PC, PX0580/PC/7, PX0580/PC/7/GY, PX0580/PC/7/WH, PX0580/PC/12132, PX0580/PC/GY/12132, PX0580/PC/WH/12132	○ Snap Fit IEC Panel Outlet/320 PX0717
○ Straight Female IEC / 320 C13 PX0587, PX058	○ 2 Pin Snap Fit IEC Panel Mount Sheet H Power Outlet / 320 PX0725
○ Side Entry Female IEC Connector PX0587/SE, PX0587/SE/GY, PX0587/SE/WH	○ Snap Fit IEC Panel Mount Sheet F Power Shuttered Outlet / 320 PX0783
○ Angled Female IEC Connector PX0588	○ IEC Flange Mount Sheet F Power Shuttered Outlet / 320 PX0793
○ Hot Condition IEC Flange Mount Inlet / 320 C16 PX0590	○ Fused 3 Pin IEC Inlet Flange Mount / 320 C14 PF0001, PF0002
○ Snap Fit Power IEC Panel Mount Inlet / 320 C16 PX0595	○ Fused 2 Pin IEC Flange Mount Inlet / 320 C14 PF0006, PF0007
○ IEC Flange Mount Inlet / 320 C20 PX0596	○ Fused IEC Inlet Snap Panel Mount / 320 C14 PF0011
○ Straight Female IEC / 320 C15 PX0597	○ Fused 2 Pin Snap Fit IEC Panel Mount Inlet / 320 C18 PF0016
○ Snap Fit IEC Panel Mount Inlet / 320 C20 PX0598	○ Twin Fused IEC Inlet 3 Pin Flange Mount / 320 C14 PF0030
○ Straight Female IEC / 320 C19 PX0599	○ Snap Fit Twin Fused IEC Panel Mount Inlet / 320 C14 PF0033
○ Rear Panel IEC Flange Mount Sheet F Power Outlet / 320 PX0675	○ Retaining Clips For IEC Inlets KT0006, KT0009, KT0012
○ Male IEC Connector / 320 C14 PX0685, PX0686, PX0686/SE	○ IEC Connectors Blanking Covers 14228
○ 2 Pin IEC Flange Mount Inlet / 320 C18 PX0690	○ IEC Connectors Insulation Boots 14340, 11328, 11987, 12075, 14064
○ 2 Pin Snap Fit IEC Panel Mount Inlet / 320 C18 PX0691	

IEC Connectors

// IEC Connector Product Range:

 PX0575	 PX0579	 PX0580	 PX0580/PC	 PX0587 PX0588	 PX0587/SE	 PX0588	 PX0590
 PX0595	 PX0596	 PX0597	 PX0598	 PX0599	 PX0675	 PX0685	 PX0686
 PX0686/SE	 PX0690	 PX0691	 PX0695	 PX0695/PC	 PX0705	 PX0716	 PX0717
 PX0725	 PX0783	 PX0793	 PX0793 Termination	 PF0001 PF0002	 PF0006 PF0007	 PF0011	 PF0016
 PF0030	 PF0033	 KT0006 KT0009 KT0012	 14228	 Insulation Boots			

IEC Power Distribution Units

// IEC Power Distribution Units	Quick Points:	Body Style & Part Number Information:
	// IEC Power Distribution Units ○ Distribution Units have combinations of four, five or six outlets ○ Available with neon indicator, fuse & switch options ○ Three sizes available in various combinations & other than the compact version, all have shuttered outlets ○ The larger enclosed versions are also available with EMI filtering	// IEC Power Distribution Units ○ IEC Panel Mount Distribution Unit PXD100 ○ IEC Distribution Unit / Rectangular Box PXD301, PXD303, PXD306 ○ IEC Distribution Unit / Compact Rectangular Box PXD200, PXD201 ○ IEC Distribution Unit / Square Panel Mount PXD500 ○ IEC Distribution Unit / Square Box PXD701, PXD703, PXD706

Distribution Units have combinations of **four, five or six outlets** together with **neon indicator, fuse & switch options**. The **three sizes** are available in **various combinations** & other than the compact version, all have **shuttered outlets**. The larger enclosed versions are also available with **EMI filtering**.

// IEC Power Distribution Unit Product Range:



PXD100



PXD301
PXD303
PXD306



PXD200
PXD201



PXD500



PXD701
PXD703
PXD706

Power Entry Modules

// Power Entry Modules

Quick Points:



// Power Entry Modules

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

With **over 26,000 combinations** Bulgin's Power Entry Modules offer a very **adaptable & flexible solution to panel design**. Our Power Entry Modules **allow combinations with Mains IEC Inlets & Outlets, Filtered Inlets, Switches, Fuse Holders, Voltage Selectors & Indicators** mounted in either **horizontal or vertical format** ready for **quick snap-fit assembly**.

Body Style & Part Number Information:

// Power Entry Modules

- | | |
|---|---|
| ○ Vertical PEM C14 Inlet Integral Twin Fused PF0033
BZV15, BZV16 | ○ Horizontal PEM C14 Inlet Sheet F Shuttered Outlet Integral Twin Fused PF0033 PX0783
BZH21, BZH22 |
| ○ Vertical PEM C14 Inlet PX0575
BZV03, BZV04 | ○ Mini Bezel PEM C14 Inlet PX0575 2.8mm Tab Termination
BZM28 |
| ○ Vertical PEM C16 Inlet PX0595
BZV05, BZV06 | ○ Vertical Polyflange PEM C14 Inlet Integral Twin Fused PF0033
BVA15, BVA16, BVB15, BVB16 |
| ○ Vertical PEM C20 Inlet PX0598
BZV49, BZV50 | ○ Vertical PEM C14 Inlet Integral Single Fused PF0011
BZV01, BZV02 |
| ○ Vertical PEM C14 Inlet Sheet F Non Shuttered Outlet PX0575 PX0695
BZV09, BZV10 | ○ Horizontal PEM C14 Inlet Integral Single Fused PF0011
BZH01, BZH02 |
| ○ Vertical PEM Sheet F Non Shuttered Outlet PX0695
BZV45, BZV46 | ○ Mini Bezel PEM C14 Inlet PX0575 6.3mm Tab Termination
BZM27 |
| ○ Horizontal PEM C14 Inlet Integral Twin Fused PF0033
BZH15, BZH16 | ○ Horizontal PEM C14 Inlet Sheet F Non Shuttered Outlet Integral Single Fused PF0011 PX0695
BZH11, BZH12 |
| ○ Horizontal PEM C14 Inlet Sheet F Non Shuttered Outlet PX0575 PX0695
BZH09, BZH10 | ○ Vertical Polyflange PEM C14 Inlet Integral Single Fused PF0011
BVA01, BVA02, BVB01, BVB02 |

// Power Entry Module Product Range:



BZV15
BZV16



BZV03
BZV04



BZV05
BZV06



BZV49
BZV50



BZV09
BZV10



BZV45
BZV46



BZH15
BZH16



BZH09
BZH10



BZH21
BZH22



BZM28



BVA15
BVA16
BVB15
BVB16



BVA01
BVA02
BVB01
BVB02



BZV01
BZV02



BZH01
BZH02



BZM27



BZH11
BZH12

EMI Mains Filters

// EMI Mains Filters	Quick Points:	Body Style & Part Number Information:
	// EMI Mains Filters ○ 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	// EMI Mains Filters ○ C14 Flange Mount Filtered IEC Power Inlet PS00/A ○ C14 Snap Fit Filtered IEC Power Inlet PS01/A ○ Base & Bulkhead Mount EMI Mains Filter PS02/A, PS03/A

Designed specifically to **reduce mains borne electromagnetic interference (EMI)**, this **extensive filter range** provides many solutions to EMI problems. To meet individual design requirements, the filters are available with **two attenuation options – standard & medical**. Current ratings are from **1 - 10 amps** with **single** or **twin fused IEC connector types** also available.

// EMI Mains Filter Product Range:



Fuse Holders

// Fuse Holders

Quick Points:



// Fuse Holders

- Designed primarily for 5 x 20mm & 6.3 x 32mm size fuses
- Protection against shock to categories PC1, PC2 & PC3
- In-line, PCB mounting & 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 & 6.3 x 32mm size fuses
- Captive drawer, screw cap & bayonet cap fuse carrier styles
- Screwdriver release & screw cap - with finger release options

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 & IMQ**, all types are manufactured from high grade flame retardant **nylon & polyester** materials.

Body Style & Part Number Information:

// Fuse Holders

- | | |
|---|--|
| ○ PC2 Low Profile Bezel Touchproof 6x32mm 16A Fuseholder
0345, 0347 | ○ PC3 PCB Horizontal Mount Touchproof 5x20mm 10A Screw Cap Fuseholder
FX0461 |
| ○ FX0417 Replacement Product Code - FX0419
FX0419 | ○ PC2 PCB H&V Mount Touchproof 5x20mm 10A Bayonet Cap Fuseholder
FX0456, FX0457 |
| ○ PC2 Panel Mount Touchproof 5x20mm 10A Screw Cap Fuseholder
FX0454, FX0455 | ○ PC1 PCB Horizontal Mount Touchproof 5x20mm 6.3A Screw Cap Fuseholder
FX0330, FX0342 |
| ○ PC2 Panel Mount Touchproof 6.3x25/32mm 13A Screw Cap Fuseholder
FX0415, FX0416 | ○ PC1 PCB Mount 5x20mm 6.3A Fuseholder
FX0321 |
| ○ PC2 Panel Mount Touchproof 5x20mm 6.3A Screw Cap Fuseholder
FX0354, FX0354/S | ○ PC1 Base Mount 5x20mm 6.3A Fuseholder
FX0267 |
| ○ PC2 Panel Mount IP68 Sealed 5x20mm 10A Screw Cap Fuseholder
FX0462, FX0463 | ○ PC1 Base Mount Raised 5x20mm 6.3A Fuseholder
FX0360 |
| ○ PC1 Panel Mount IP66 Sealed 5x20mm 6.3A Screw Cap Fuseholder
FX0345, FX0365 | ○ PC1 Base Mount Raised 6.3x25/32mm 13A Fuseholder
FX0326, FX0331 |
| ○ PC2 Panel Mount Touchproof 5x20mm 10A Bayonet Cap Fuseholder
FX0357, FX0359 | ○ PC1 Base Mount Raised 6.3x32mm 5A Fuseholder
FX0327 |
| ○ PC2 Snap Fit Touchproof 5x20mm 10A Bayonet Cap Fuseholder
FX0367, FX0369 | ○ PC1 Inline 5x20mm & 6.3x25/32mm 10A Fuseholder
FX0180, FX0280, FX0380 |
| ○ PC2 Snap Fit Touchproof 5x20mm 10A Screw Cap Fuseholder
FX0458 | ○ Fuseholder Protection Category PC1 IP66 Sealed In-Line Clear Screw Termination
FX0185, FX0285, FX0385 |
| ○ PC1 Panel Mount Touchproof 5x20mm 6.3A Screw Cap Fuseholder
FX0296 | ○ PC2 Inline 6.3x32mm Fuseholder
0035 |
| ○ PC3 Snap Fit Touchproof 5x20mm Fuse 10A Captive Drawer Carrier
FX0430 | ○ Accessories
9820, 11327, 12932, M873, 12760, 12297 |

Fuse Holders

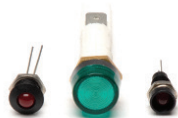
// Fuse Holder Product Range:

 0345 0347	 FX0419	 FX0454 FX0455	 FX0415 FX0416	 FX0354 FX0354/S	 FX0462 FX0463	 FX0345 FX0365	 FX0357 FX0359
 FX0367 FX0369	 FX0458	 FX0296	 FX0430	 FX0461	 FX0456 FX0457	 FX0330 FX0342	 FX0321
 FX0267	 FX0360	 FX0326 FX0331	 FX0327	 FX0180 FX0280 FX0380	 FX0185	 FX0285	 FX0385
 0035	 Accessories						

LEDs, Lampholders & Indicators

// Indicators

Quick Points:



// Indicators

- Various LED, neon & 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 **LED Indicators** consists of many different **Bezel Styles**, types of **LED's & Colours**. The range has developed to meet the different needs of panel design including **IP66 & IP67 environmentally sealed versions** for use where a **Front Panel Seal** is needed.

Body Style & Part Number Information:

// Indicators

- | | |
|---|---|
| ○ Stainless Steel Vandal Resistant LED Indicators / Ø12.1mm Panel Cut Out
DX0505, DX0506, DX0507, DX0508 | ○ 10mm Round Indicator (Removable Lens) / 8.0mm Panel Cut Out / LED, Neon or Filament Lamp
0569 AW |
| ○ 6.0mm Panel Cut Out / 7.0mm Bezel, LED or Neon
0566 | ○ Circular Indicator with Chrome Bezel / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp
0275 |
| ○ Indicator with Chrome Plated Brass Bezel / 6.3mm Panel Cut Out
1041 | ○ 12mm Round Indicators / 9.5mm or 10.00mm Panel Cut Out / LED, Neon or Filament Lamp
0276 00, 0276 AA |
| ○ 8.0mm Panel Cut Out / 7.5mm Bezel / LED, Neon or Filament Lamp
2950, 2951 | ○ Ø12.7mm Panel Cut Out / 15.9mm Bezel, LED, Neon or Filament Lamp
0589 |
| ○ 8.0mm Panel Cut Out / 9.5mm Bezel / Neon or Filament Lamp
0195BB | ○ 14.6mm Round Indicator / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp
0277 |
| ○ Square Lens Indicator / 9.0mm Panel Cut Out / LED, Neon or Filament Lamp
0278 | ○ Neon Indicator With Side Mounted Clip On Lens / 4.75mm x 9.5mm Panel Cut Out
0234 |
| ○ 12.2mm Round Indicator / 9.0mm Panel Cut Out / LED, Neon or Filament Lamp
0273 | ○ Ø12.0mm or 12.7mm Panel Cut Out / 14.5mm Bezel / LED, Neon or Filament Lamp
2821 |
| ○ 8.0mm Panel Cut Out / 9.5mm or 10.0mm Bezel / LED, Neon or Filament Lamp
0568 | |

// Indicator Product Range:



LEDs, Lampholders & Indicators

// LEDs & Lampholders



Quick Points:

// LEDs & Lampholders

- Available with or without LEDs
- Black or chrome finish
- 3mm & 5mm LEDs
- Prominent or recessed styles

Among the **smallest & most versatile** products within our Indicator Range are **LED Lamps & Lampholders**. Small in size, the LED housings we offer **incorporate an LED** & 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.

Body Style & Part Number Information:

// LEDs & Lampholders

- LED Lampholders / 4.5mm/6.0mm/6.35mm Panel Cut Out
1035, 1036, 1037
- 3mm & 5mm LED Lampholders / 6.3mm/8.0mm Panel Cut Out
1047, 1048, 1050

- 5mm LED Indicators / Ø6.1mm Panel Cut Out / 7.6mm Bezel
DX0998, DX1120, DX1121, DX1090, DX1092, DX1091, DX1093
- 4.0mm LED Indicators / Ø6.1mm Panel Cut Out
DX1116, DX1118, DX1117, DX1119

// LED & Lampholder Product Range:


1035
1036
1037


1047
1048
1050


DX0998


DX1120
DX1121


DX1090
DX1092


DX1091
DX1093


DX1116
DX1118


DX1117
DX1119

LEDs, Lampholders & Indicators

// IP Rated LEDs & Lampholders

Quick Points:



// IP Rated LEDs & Lampholders

- 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** & our Indicators are no exception. Available in **six popular sizes & styles**, the Indicators are all **sealed to IP67** & can be fitted with **Neon, LED or Filament Lamps**. Several of our larger Low Voltage (IP67) & small LED Lampholders (IP66 & 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**.

Body Style & Part Number Information:

// IP Rated LEDs & Lampholders

- Indicator with Chrome Plated Brass Bezel / 6.3mm Panel Cut Out
1041
- Ø12.7mm Panel Cut Out / 14.6mm Bezel / LED, Neon or Filament Lamp
0177
- Indicator with Chrome Plated Brass Bezel / 7.1mm Panel Cut Out
0245
- Circular Indicator with Chrome Bezel / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp
0275
- 3mm & 5mm LED Lampholders / 6.3mm/8.0mm Panel Cut Out
1047, 1048, 1050
- 5mm LED Indicators / Ø6.1mm Panel Cut Out / 7.6mm Bezel
DX0998, DX1120, DX1121, DX1090, DX1092, DX1091, DX1093
- Stainless Steel Vandal Resistant LED Indicators / Ø12.1mm Panel Cut Out
DX0505, DX0506, DX0507, DX0508

// IP Rated LED & Lampholder Product Range:



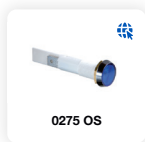
1041 OS



0177 OS



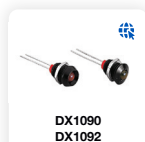
0245 OS



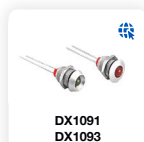
0275 OS



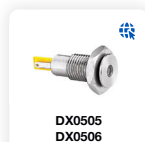
1050 OA



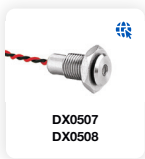
DX1090
DX1092



DX1091
DX1093



DX0505
DX0506



DX0507
DX0508

Enclosures

// Enclosures	Quick Points:	Body Style & Part Number Information:
	// Enclosures ○ IP67 Sealed Enclosures ○ Corrosion resistant plastic captive lid fixing screws ○ Posts & slots for PCB mounting as standard ○ Two M20 threaded knockouts in base for use with M20 cable glands (available separately) ○ All enclosures 80mm wide, 53mm tall. Choice of widths depending on part code: 01S - 72mm, 02S - 106mm, 03S - 139mm ○ Choice of base colour depending on 7th character of part code: B - Black, G - Grey ○ Choice of lid colour depending on 8th character of part code: B - Black, G - Grey, Y - Yellow, T - Transparent	// Enclosures ○ Sealed Enclosures / IP67 BE

IP67 Enclosures designed for use with control switches & electronic equipment. Available with lids that have pre-moulded cut-outs, Bulgin's waterproof junction boxes accept industry standard 22mm switches & bases with M20 threaded cut-outs to suit standard cable glands. With robust ABS plastic, these IP rated waterproof & dustproof plastic enclosures are ideal solutions for providing protection to electronic components & systems that are exposed to harsh environmental conditions.

// Enclosure Product Range:



Bulgin has you covered.

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

Search for distributors at:

www.bulgin.com/en/products/distributors

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