



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

With 100 years of experience in the industry, Bulgin continues to innovate & develop products & services to cater for its global customer base across a variety of markets.

Circular Connectors

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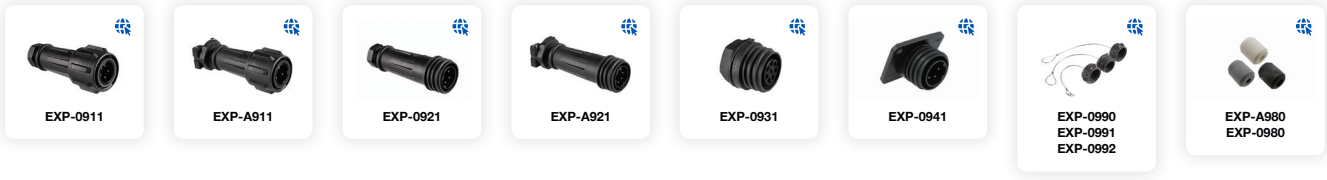
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// EXPlora Series	Quick Points:	Body Style & Part Number Information:
	<p>// Power</p> <ul style="list-style-type: none"> ○ Quick Start Thread Coupling ○ ATEX Zone 2 Certified & Zone 22 ○ Plug or Socket Versions ○ 7-13mm Dia Cable Acceptance - EXP-0 ○ 14-22mm Dia Cable Acceptance - EXP-A ○ Strain Relief Clamp - EXP-A Series ○ Up to 18A, 600V AC/DC Rating ○ 2, 3, 4, 5, 7 & 10 Pole 	<p>// Power</p> <ul style="list-style-type: none"> ○ 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.

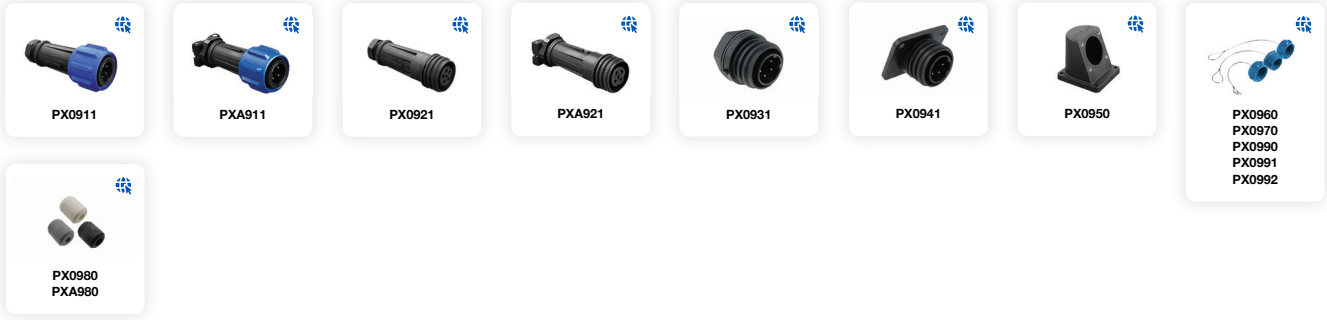
// EXPlora Series Product Range:



// 900 Series	Quick Points:	Body Style & Part Number Information:
	<p>// Power</p> <ul style="list-style-type: none"> ○ Quick Start Thread Coupling ○ Flex Cable Connector ○ Mates with all other styles ○ 2, 3, 4, 5, 7 & 10 Pole ○ Plug or Socket ○ 32A, 600 V (7 Pole 430V) ○ 7-22mm Cable Acceptance (7-13mm PX0, 14-22mm PXA) ○ Overall Diameter 58mm 	<p>// Power</p> <ul style="list-style-type: none"> ○ 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:

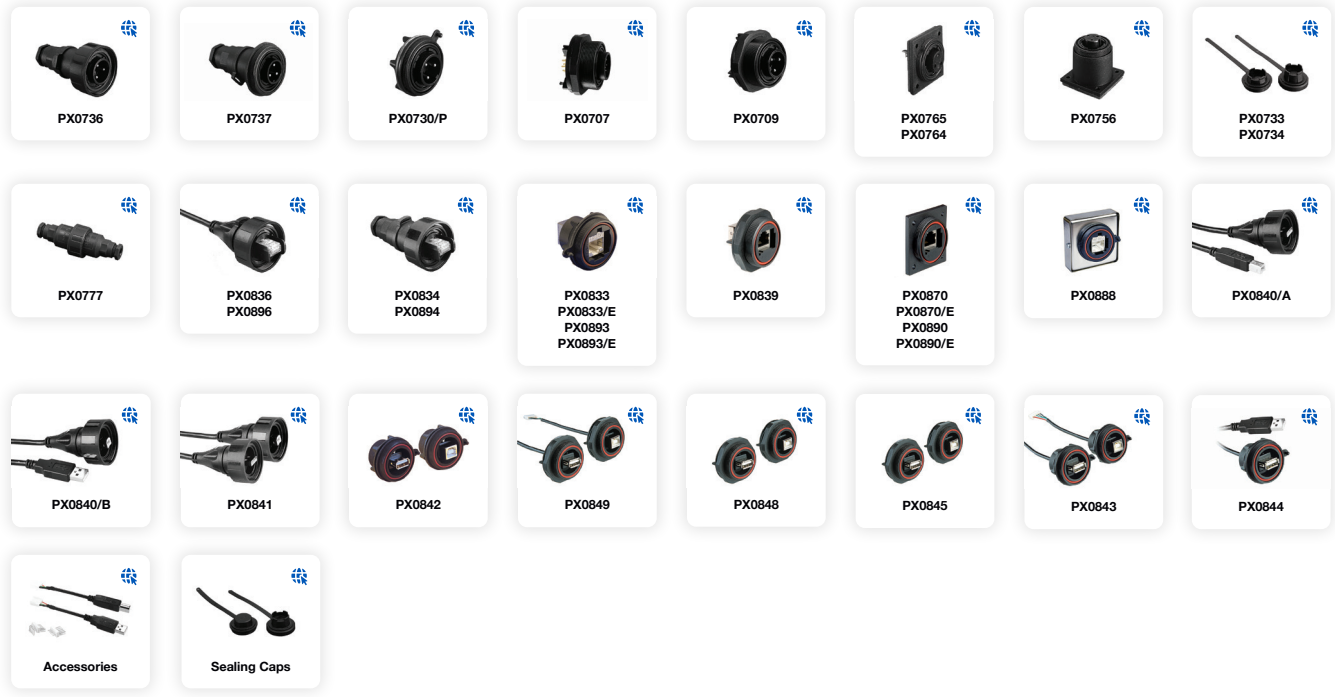


// Standard Series	Quick Points:		
	// Power <ul style="list-style-type: none"> ○ Screw Coupling ○ 2, 3, 4, 6, 7, 9, 12 & 25 Pole ○ Plug or Socket ○ 1-12 Amp, 50-250V AC/DC ○ 3.5-9mm Cable Acceptance ○ Overall Diameter 38mm 	// Data (Ethernet) <ul style="list-style-type: none"> ○ Screw Coupling ○ Single or Double Ended ○ Standard Lengths: 2m, 3m & 5m ○ Supplied with Shielded RJ45 Plug ○ Cat5e or Cat6a 	// Data (USB) <ul style="list-style-type: none"> ○ Screw Coupling ○ Available in various different A, B Configurations ○ 2m, 3m & 5m Lengths

Body Style & Part Number Information:		
// Power <ul style="list-style-type: none"> ○ 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 	// Data (Ethernet) <ul style="list-style-type: none"> ○ Seal In-Line Cable Joiner - PX0777 ○ Ethernet Patch Cord Flex Connector PX0836, PX0837, PX0838 PX0896, PX0897, PX0898 ○ 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 	// Data (USB) <ul style="list-style-type: none"> ○ 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 ○ PCB Adaptor Leads / Accessories ○ Sealing Cap Accessories

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.

// Standard Series Product Range:



// 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)

Body Style & Part Number Information:

// Power

- Flex Connector - PX0410
- Flex In-line Connector - PX0411
- Pre-Wired Right Angled Flex - PX0402
- Pre-Wired In-line Connector - PX0401
- Pre-Wired Flex Cable Connector - PX0400
- Panel Mount - PX0412, PX0413
- Smart Connector / Pre-Wired EEPROM PXS400
- Sealing Cap Accessory PX0480, PX0480/1 PX0481, PX0484

// Data (Mini USB)

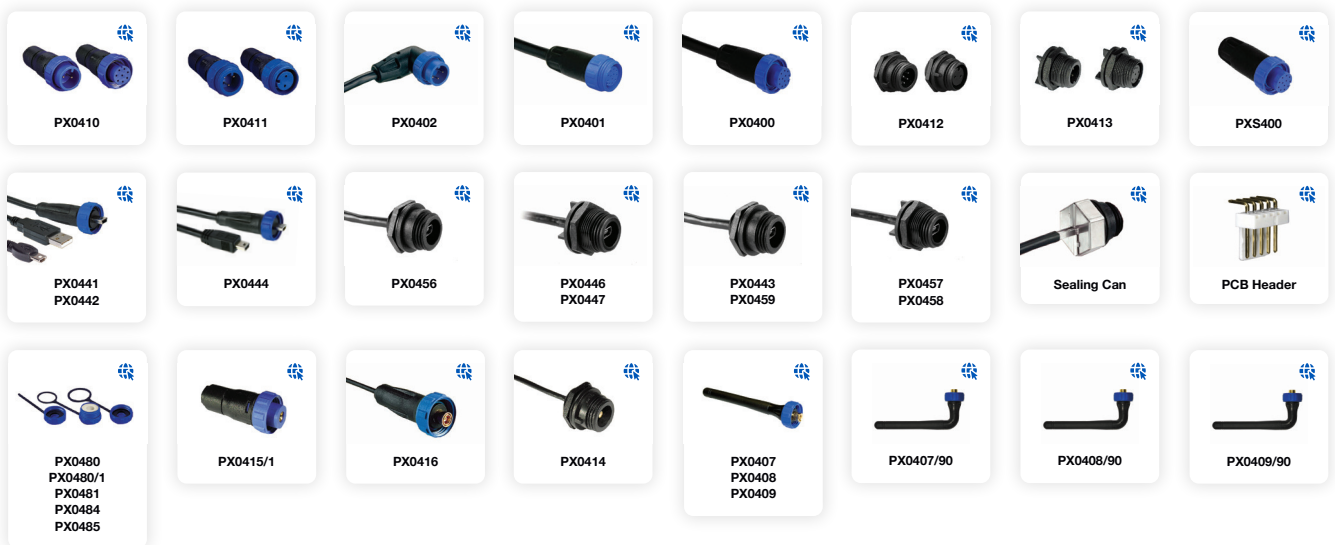
- Pre-Wired Overmould USB V2.0 Cable PX0441, PX0442, PX0444
- Front Panel Mount Mini USB Type AB PX0456
- Rear Panel Mount Mini USB Type B PX0446, PX0447
- Front Panel Mount Leaded Mini USB Type B PX0443, PX0459
- Rear Panel Mount Mini USB Type AB PX0457, PX0458
- 400 Series Mini USB Screening Can
- 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:



// 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 480Mbs
- 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

Body Style & Part Number Information:

// Power

- Flex Connector - PXP4010
- Flex In-line - PXP4011
- Panel Mount - PXP4013
- 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

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:

PXP4010

PXP4011

PXP4013

PXP4040

PXP4043

PXP4040/C/A

PXP4043/C

PXP4041/C/C

Accessories

// 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:



// 7000 Series	Quick Points:	Body Style & Part Number Information:
	<p>// Power</p> <ul style="list-style-type: none"> ○ 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 	<p>// Power</p> <ul style="list-style-type: none"> ○ 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**.

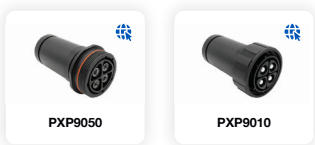
// 7000 Series Product Range:



// 9000 Series	Quick Points:	Body Style & Part Number Information:
	<p>// Power</p> <ul style="list-style-type: none"> ○ 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 	<p>// Power</p> <ul style="list-style-type: none"> ○ Flex Connector - PXP9010, PXP9050 ○ Flex In-Line Connector - PXP9011, PXP9051 ○ Flange Panel Mount Connector - PXP9012, PXP9052 <p><small>*4 Inch screw on back shells for cable mount screw & bayonet series. Must be potted for IP68 ratings.</small></p>

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:



// Fiber Series

Quick Points:



// Fiber (Simplex & Duplex)

- Cabled /Versions: 0M1, 0M3
- Cabled 5 to 450M
- Simplex or 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

// Fiber (Expanded Beam)

- 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

Body Style & Part Number Information:

// Fiber (Simplex)

- 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

// Fiber (Duplex)

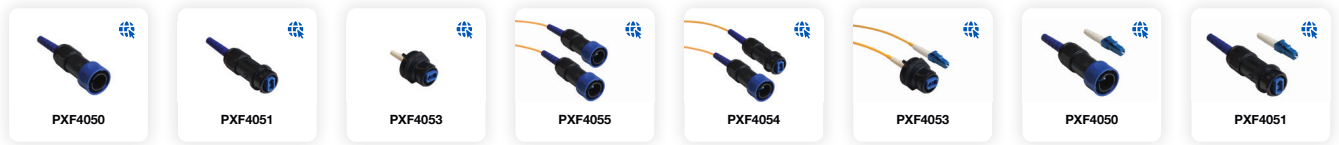
- Flex Fiber Connector / No Cable PXF6050
- Inline Fiber Connector / No Cable PXF6051
- Front Panel Mount Fiber Connector / No Cable PXF6052
- Flex to Inline Fiber Connector PXF6054
- Flex to Flex Fiber Connector PXF6055
- Flex to LC Fiber Connector PXF6050
- Inline to LC Fiber Connector PXF6051
- Front Panel Mount / Fiber to LC Connector PXF6052

// Fiber (Expanded Beam)

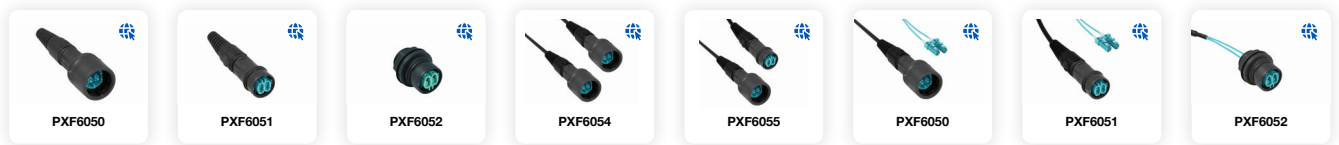
- 2 & 4 Channel Plug Connector PXEB5200MMXXXX, PXEB5400MMXXXX
- 2 & 4 Channel Jam Nut Bulkhead Connector PXEB5210XX, PXEB5410XX
- 2 & 4 Channel Jam Nut Bulkhead Connector with Cable Retention PXEB5210MMXXXX, PXEB5410MMXXXX
- 2 & 4 Channel Flange Mount Bulkhead Connector PXEB5220XX, PXEB5420XX
- 2 & 4 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

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.**

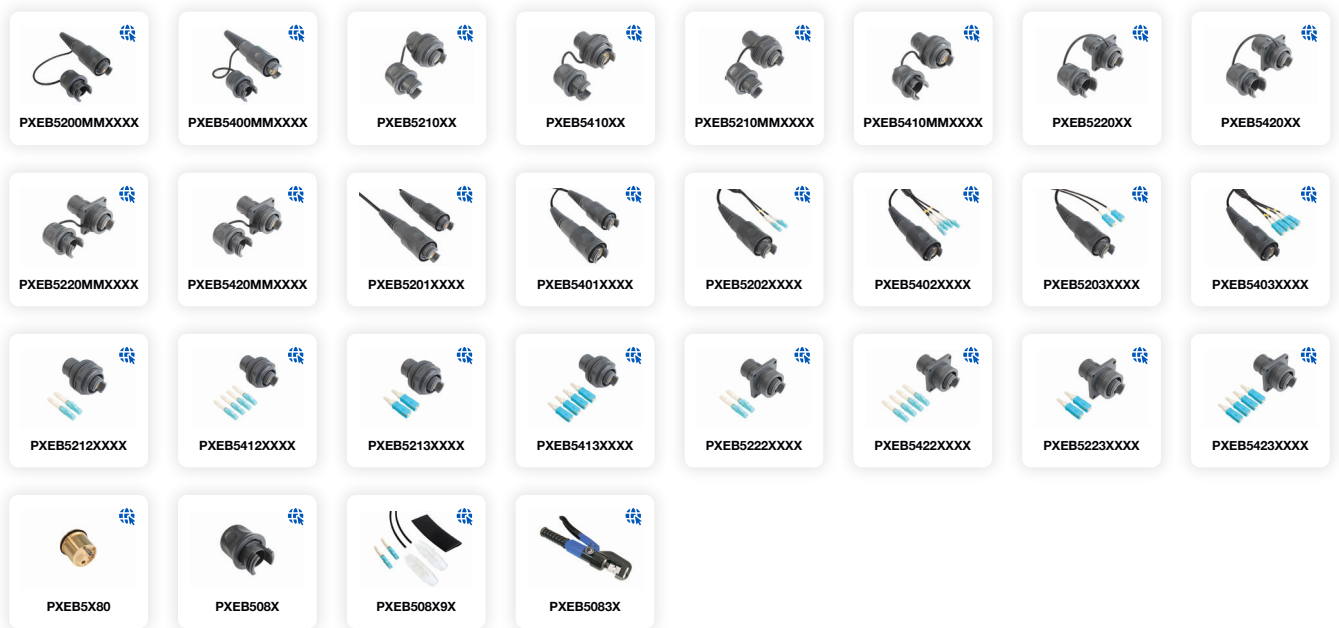
// 4000 Fiber Simplex:



// 6000 Fiber Duplex:



// 5000 Expanded Beam:



// 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

Body Style & Part Number Information:

// M5 Series

- Front Panel Mount Connector / Male
PXMBN105FPM
- Rear Panel Mount Connector
PXMBN105RPF, PXMBN105RPM
- 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
PXMBN116FIM
- Brass Nickel Plated Flex Body Connector / Female
PXMBN116FBF
- Panel Mount Connector
PXMBN116RPF, PXMBN116RPM

// M23 Series

- Brass Nickel Plated Inline Connector
PXMBN123FIM
- Brass Nickel Plated Flex Body Connector
PXMBN123FBF
- Brass Nickel Plated Right Angled Flex Body Connector
PXMBN123RAF
- Front Panel Mount Connector / Male
PXMBN123FPM

// M8 Series

- Rear Panel Mount Connector
PXMBN108RPM, PXMBN108RPF
- Front Panel Mount Connector
PXMBN108FPF, PXMBN108FPM
- Inline Overmould Connector / Male
PXPTPU08FIM, PXPPVC08FIM
- Inline Overmould Connector / Female
PXPTPU08FBF, PXPPVC08FBF
- Brass Nickel Plated Inline Connector / Male
PXMBN108FIM
- Brass Nickel Plated Flex Body Connector / Female
PXMBN108FBF
- 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
PXPPVC08TSM, PXPPVC08TSFF
- Right Angled Rear Panel Mount Connector / PCB
PXMBN108RAF, PXMBN108RAM

// Distribution Units

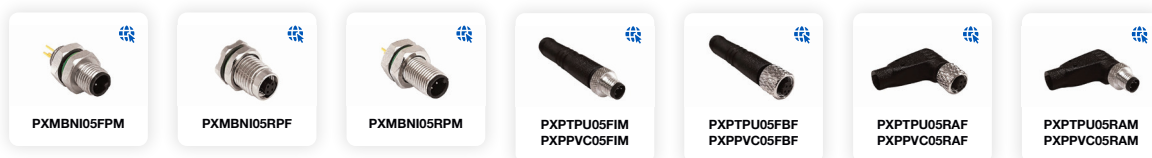
- M-Series Distribution Units
BOX1M1205MA05M1205F, BOX1M1212MA08M803F,
BOX1M1205MA09M1205F

// M12 Series

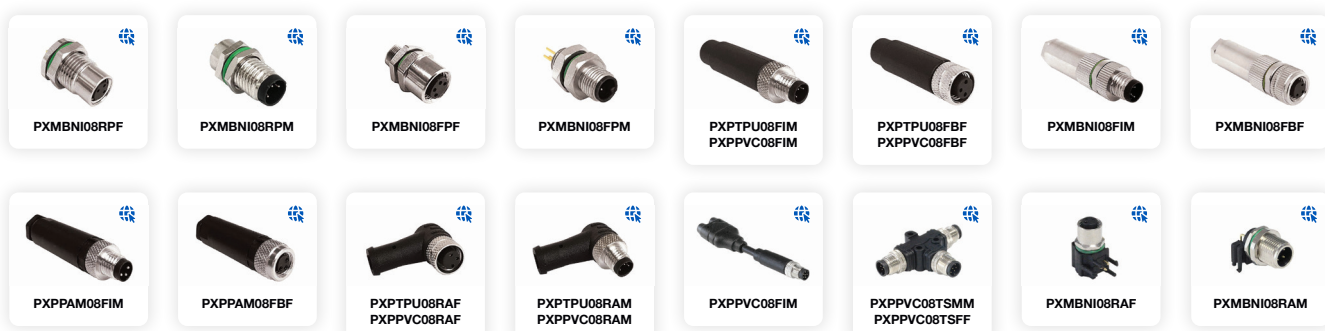
- Front & Rear Panel Mount Connector / Flying Lead
PXMBN12RPM, PXMBN12RPF, PXMBN12FPF, PXMBN12FPM
- Rear Panel Mount Connector
PXMBN12RPM, PXMBN12RPF, X-Code
- Inline Connector / Male
PXPPAM12FIM
- Flex Body Connector / Female
PXPPAM12FBF
- Right Angled Flex Body Connector
PXPPAM12RAM, PXPPAM12RAF
- Brass Nickel Plated Inline Connector / Male
PXMBN12FIM
- Brass Nickel Plated Inline Connector / Female
PXMBN12FBF
- 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
PXMBN12RAF08XRJM16, PXMBN12RPM08XRJM16
- X-Code / Overmould Cable Connector
PXPTPU12FIM, PXPTPU12FBF
- Right Angled Rear Panel Mount Connector
PXMBN12RA
- Surface Mount Terminal Connector
PXPLCP12SM
- X-Code / Surface Mount Terminal Connector
PXPLCP12SM
- T-Type Splitter Connector
PXPPVC12TS
- Fixed Flange Connector
PXMBN12FL
- Inline Connector / Female
PXPPNP12FBF
- Right Angled Inline Overmould Connector / Female
PXPPNP12RAF
- Sealing Caps
M12 Series Automation Connectors

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**.

// M5 Series Product Range:



// M8 Series Product Range:



// M12 Series Product Range:



// M16 Series Product Range:



// M23 Series Product Range:



// Distribution Unit Product Range:



// Push-Pull Series

Quick Points:



// Push-Pull (X Series)

- Multiple contacts from 2 to 50
- 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

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

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.

// X Series Product Range:

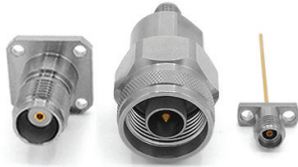


// Y Series Product Range:



// Radio Frequency (RF) Series

Quick Points:



// Radio Frequency (RF)

- 50-ohm Impedance
- Insulation resistance >5000MOhm
- 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

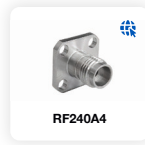
- RF Termination Series 2.40mm
RFTERM240
- RF Termination Series 2.92mm
RFTERM292
- RF Termination Series 3.50mm
RFTERM350
- RF Termination Series N Type
RFTERMN
- RF Termination Series SMA
RFTERMSMA

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**.

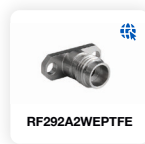
// 1.85mm Series Product Range:



// 2.40mm Series Product Range:



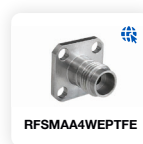
// 2.92mm Series Product Range:



// N Type Series Product Range:



// SMA Series Product Range:



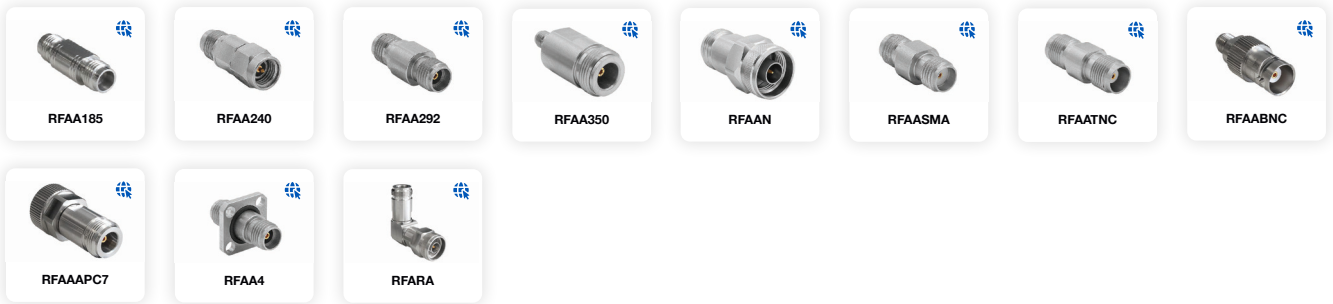
// SSMA Series Product Range:



// TNCA Series Product Range:

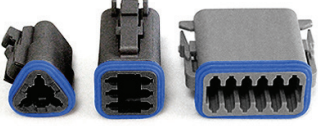


// RF Adapter Series Product Range:



// RF Termination Series Product Range:



// Rectangular Series	Quick Points:	Body Style & Part Number Information:
	<p>// Rectangular</p> <ul style="list-style-type: none"> ○ Rated to 13A ○ 2, 3, 4, 6, 8 & 12 Contact Count ○ Wedge-locks available for contact retention & alignment ○ Wedge locks for 2-12 positions ○ Accepts size contacts 14-20 AWG ○ IP68 (with Rear Protection) ○ Gold & Nickel plated terminal options (Both stamped or solid versions available) ○ Choice of Enhanced Seal Retention (ESR), Protective End Caps (PEC), Shrink Boot Adapters (SBA), Welded Flange (WFL), Terminating Resistors (TER) & a Y-Type Connector (YTY) 	<p>// Rectangular</p> <ul style="list-style-type: none"> ○ 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 Female - PEC & SBA PX0107 ○ 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 - WFL PX0112 ○ Standard Rectangular Connector Female - YTY PX0113 ○ Standard Rectangular Connector - Wedgelocks ○ Standard Rectangular Connector - Contacts SA1000 ○ Standard Rectangular Connector - Tooling 10000

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**.

// Standard Rectangular Series Product Range:



// Photoelectric Sensors

Quick Points:

Body Style & Part Number Information:



// Photoelectric Sensors

- Sealed to IP67
- Stainless Steel 316 shell
- Cabled versions with or without connector
- 2m cable length
- <math><0.5\text{m/s}</math> response time
- NPN & PNP output
- Sensing Distance 2-40mm / 2-30mm
- Light point diameter 5.0mm at 30mm
- Power supply voltage 12 - 24 VDC
- Ambient humidity 35 - 85%
- Operating temperature -10 to 50°C
- Small body, just 4.5mm thick

// Photoelectric Sensors

- Photoelectric Sensor
SL Series

Bulgin's slim line Photoelectric Sensor range offers a high degree of mechanical & electrical stability. A cost effective & flexible sensing solution. Designed specifically for manufacturing automation & industrial automation sensing operations. With a simple, secure & efficient design you can achieve a watertight & dustproof seal to any standard M5 interface. The sensors are made with highly robust casing material Stainless Steel 316 & withstand a high degree of physical impact.

// Photoelectric Sensor Product Range:



// 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

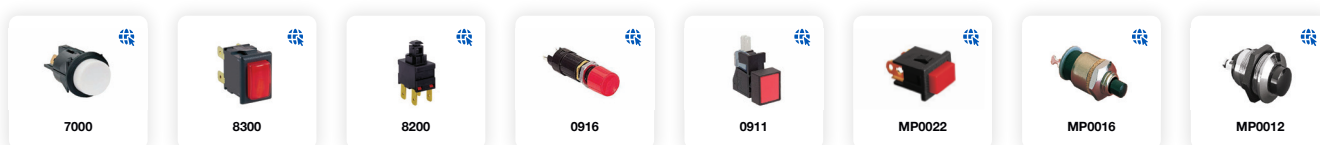
Body Style & Part Number Information:

// 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 |

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**.

// Push Button Switch Product Range:



// 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

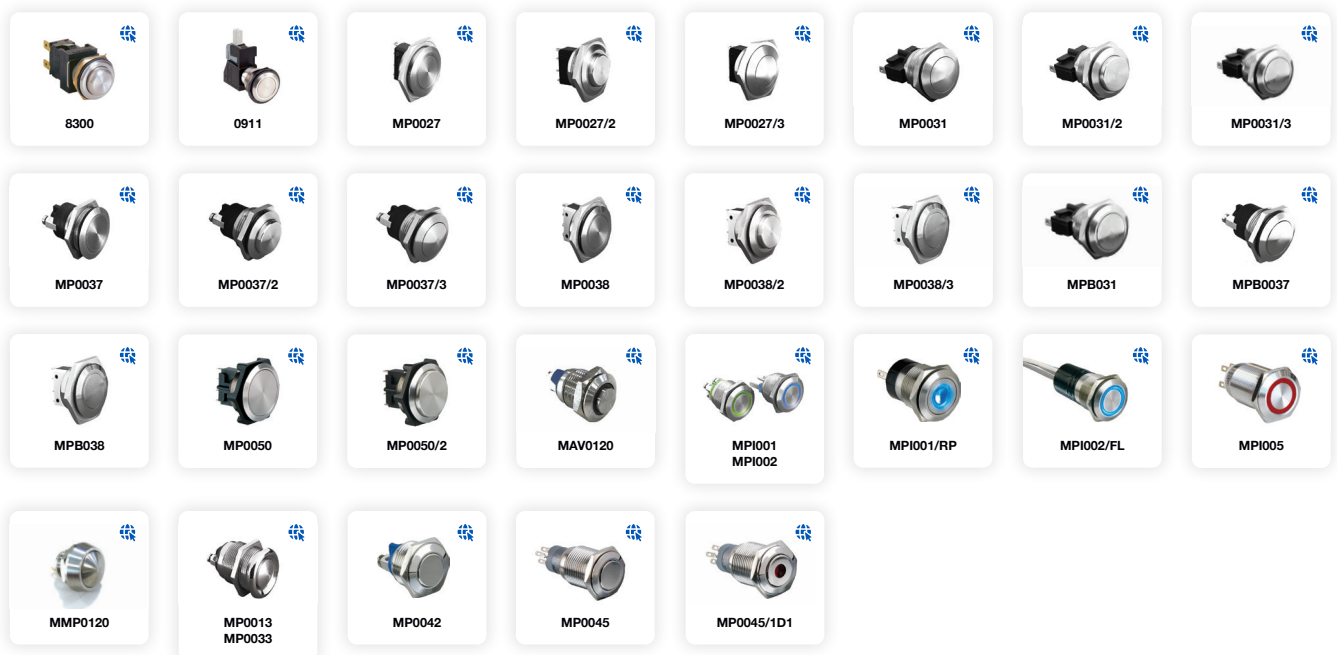
Body Style & Part Number Information:

// 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

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.

// Vandal Resistant Switch Product Range:



// 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

Body Style & Part Number Information:

// Piezo Switches

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

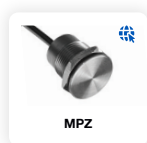
// Capacitive Switches

- Capacitive Switch Range
MC16, MC19, MC22, MC25

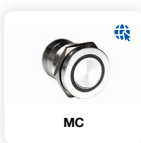
Bulgin's **Touch Switches** are available with either **Piezo** or **Capacitive Technology**. Available in **16mm, 19mm & 22mm** sizes with **Illuminated & Non-Illuminated** options, our **Vandal Resistant Piezo Switches** are operable with gloves & sealed to **IP68/IP69k** standards, making them the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

// Piezo Switch Product Range:



// Capacitive Switch Product Range:



// 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

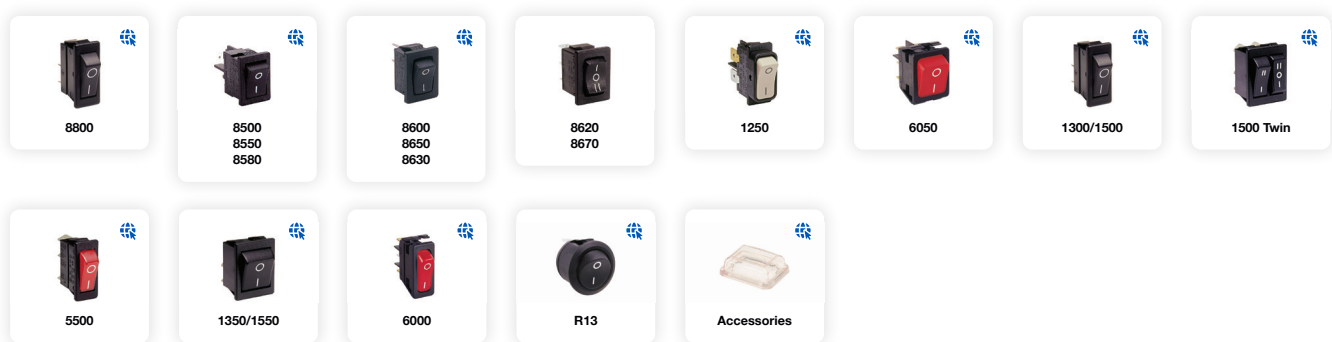
Body Style & Part Number Information:

// 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

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.

// Rocker Switch Product Range:



// 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)

Body Style & Part Number Information:

// Rocker Switches

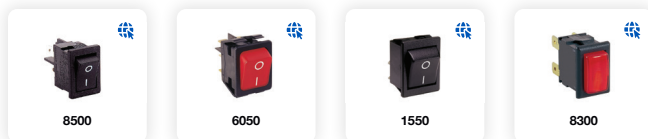
- Minature Rocker Switches / Matching Indicators
8500, 8550, 8580 Indicator
- Minature Rocker Switches / Matching Indicators
8600, 8650, 8630 Indicator
- Range of Double Contact & 3 Position Selective Rocker Switches
1550, 1350, 1484, 1487, 0480, 1551, 1552, 1553, 1560, 1561, 1562, 1570, 1571, 1572

// Push Button Switches

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

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.

// Antimicrobial Switch Product Range:



// 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

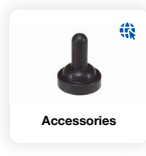
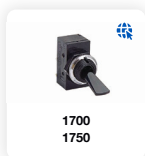
Body Style & Part Number Information:

// 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

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.

// Toggle Switch Product Range:



// 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

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

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.

// Slide Switch & Voltage Selector Product Range:




// Refrigerator Switches	Quick Points:	Body Style & Part Number Information:
	<p>// Refrigerator Switches</p> <ul style="list-style-type: none"> ○ Door Switches ○ Switch Rating from 0.2A, 250VAC up to 5A, 250VAC ○ Splash Resistant Variants ○ Choice of Actuators ○ Momentary On & Momentary Off Switching 	<p>// Refrigerator Switches</p> <ul style="list-style-type: none"> ○ 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:



// Battery Holders	Quick Points:	Body Style & Part Number Information:
	<p>// Battery Holders</p> <ul style="list-style-type: none"> ○ Screw & Flange Panel Fixing ○ PCB & Base Mounting versions ○ Standard Fixing & Front Panel Sealed Panel Mounting Versions, IP67 Rated ○ Open Frame Styles available 	<p>// Battery Holders</p> <ul style="list-style-type: none"> ○ 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:



// 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

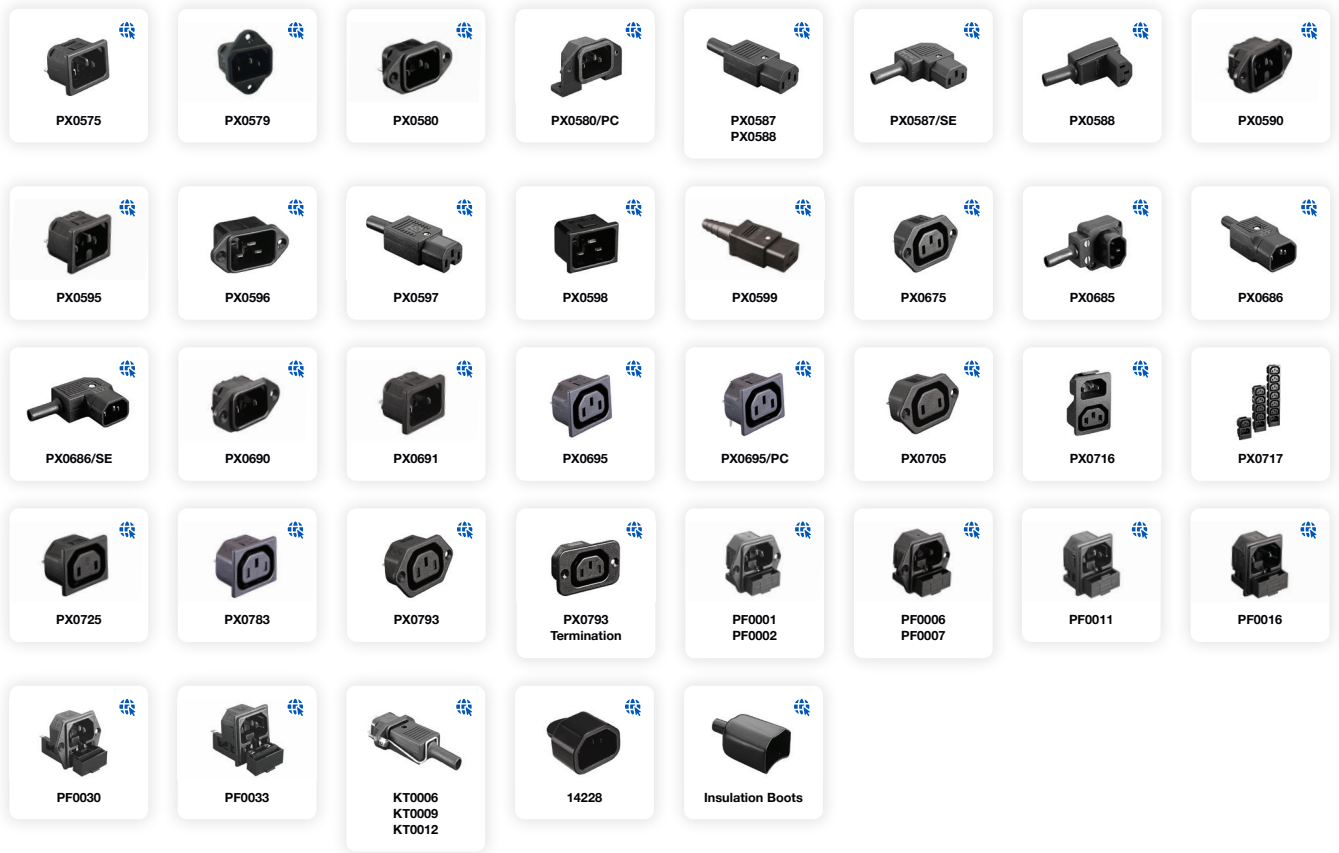
Body Style & Part Number Information:

// IEC Connectors


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

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.

// IEC Connector Product Range:



IEC Power Distribution Units

// IEC Power Distribution Units	Quick Points:	Body Style & Part Number Information:
	<p>// IEC Power Distribution Units</p> <ul style="list-style-type: none"> ○ 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 	<p>// IEC Power Distribution Units</p> <ul style="list-style-type: none"> ○ 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:



// 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

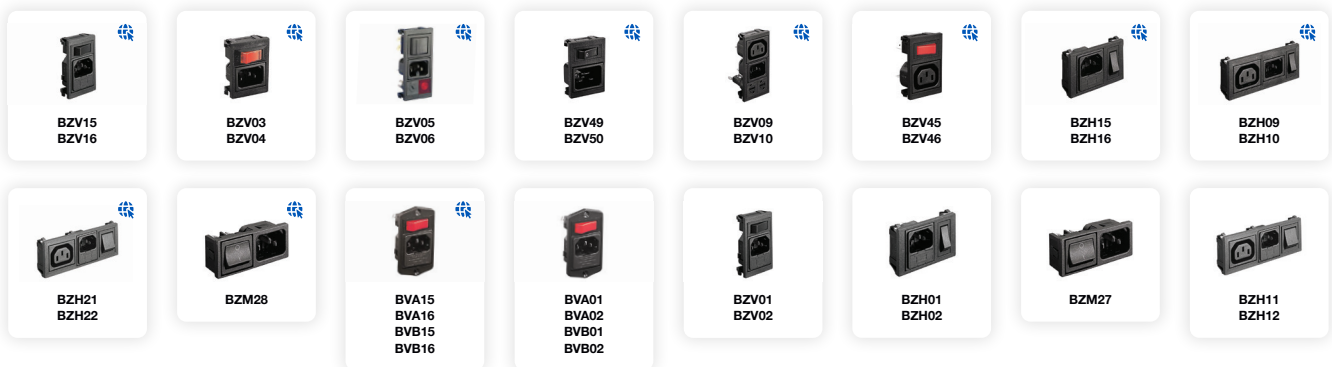
Body Style & Part Number Information:

// Power Entry Modules


- | | |
|---|--|
| <ul style="list-style-type: none"> ○ Vertical PEM C14 Inlet Integral Twin Fused PF0033 BZV15, BZV16 ○ Vertical PEM C14 Inlet PX0575 BZV03, BZV04 ○ Vertical PEM C16 Inlet PX0595 BZV05, BZV06 ○ Vertical PEM C20 Inlet PX0598 BZV49, BZV50 ○ Vertical PEM C14 Inlet Sheet F Non Shuttered Outlet PX0575 PX0695 BZV09, BZV10 ○ Vertical PEM Sheet F Non Shuttered Outlet PX0695 BZV45, BZV46 ○ Horizontal PEM C14 Inlet Integral Twin Fused PF0033 BZH15, BZH16 ○ Horizontal PEM C14 Inlet Sheet F Non Shuttered Outlet PX0575 PX0695 BZH09, BZH10 | <ul style="list-style-type: none"> ○ Horizontal PEM C14 Inlet Sheet F Shuttered Outlet Integral Twin Fused PF0033 PX0783 BZH21, BZH22 ○ Mini Bezel PEM C14 Inlet PX0575 2.8mm Tab Termination BZM28 ○ Vertical Polyflange PEM C14 Inlet Integral Twin Fused PF0033 BVA15, BVA16, BVB15, BVB16 ○ Vertical PEM C14 Inlet Integral Single Fused PF0011 BZV01, BZV02 ○ Horizontal PEM C14 Inlet Integral Single Fused PF0011 BZH01, BZH02 ○ Mini Bezel PEM C14 Inlet PX0575 6.3mm Tab Termination BZM27 ○ Horizontal PEM C14 Inlet Sheet F Non Shuttered Outlet Integral Single Fused PF0011 PX0695 BZH11, BZH12 ○ Vertical Polyflange PEM C14 Inlet Integral Single Fused PF0011 BVA01, BVA02, BVB01, BVB02 |
|---|--|

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.

// Power Entry Module Product Range:



EMI Mains Filters

// EMI Mains Filters	Quick Points:	Body Style & Part Number Information:
	<p>// EMI Mains Filters</p> <ul style="list-style-type: none"> ○ 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 	<p>// EMI Mains Filters</p> <ul style="list-style-type: none"> ○ 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

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

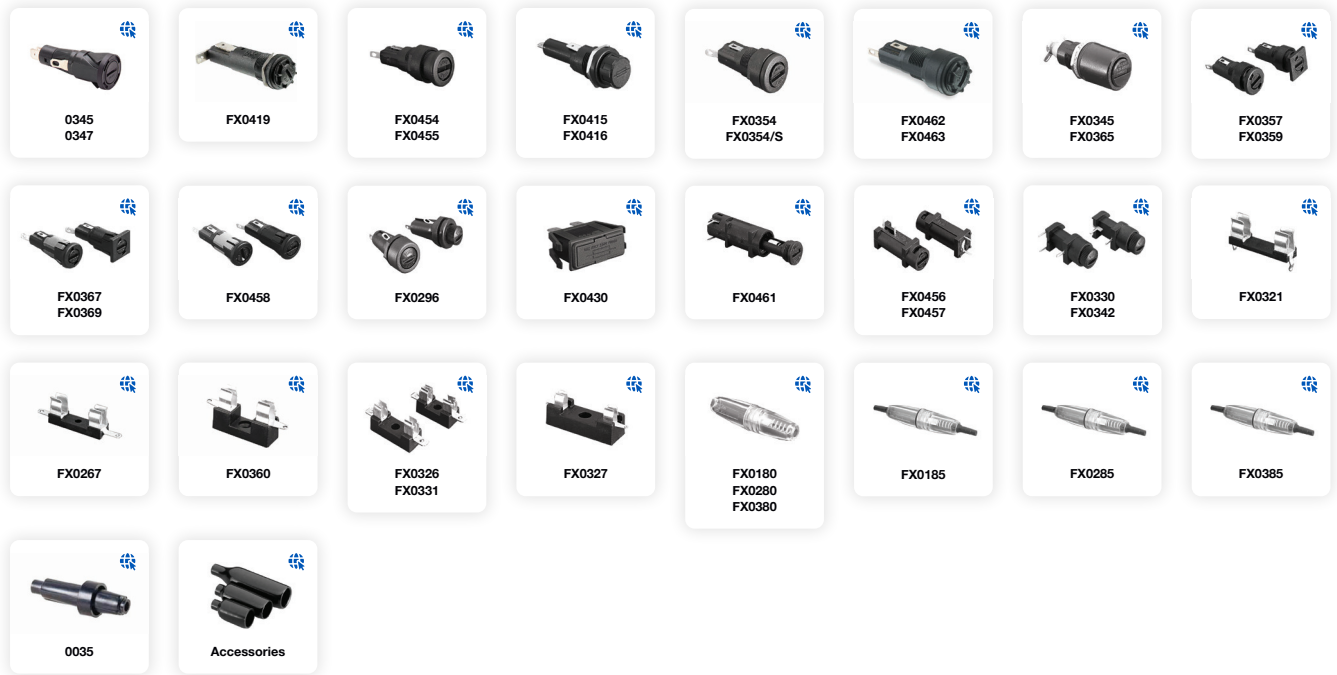
Body Style & Part Number Information:

// 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 |

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.

// Fuse Holder Product Range:



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

Body Style & Part Number Information:

// Indicators

<ul style="list-style-type: none"> ○ Stainless Steel Vandal Resistant LED Indicators / Ø12.1mm Panel Cut Out DX0505, DX0506, DX0507, DX0508 ○ 6.0mm Panel Cut Out / 7.0mm Bezel, LED or Neon 0566 ○ Indicator with Chrome Plated Brass Bezel / 6.3mm Panel Cut Out 1041 ○ 8.0mm Panel Cut Out / 7.5mm Bezel / LED, Neon or Filament Lamp 2950, 2951 ○ 8.0mm Panel Cut Out / 9.5mm Bezel / Neon or Filament Lamp 0195BB ○ Square Lens Indicator / 9.0mm Panel Cut Out / LED, Neon or Filament Lamp 0278 ○ 12.2mm Round Indicator / 9.0mm Panel Cut Out / LED, Neon or Filament Lamp 0273 ○ 8.0mm Panel Cut Out / 9.5mm or 10.0mm Bezel / LED, Neon or Filament Lamp 0568 	<ul style="list-style-type: none"> ○ 10mm Round Indicator (Removable Lens) / 8.0mm Panel Cut Out / LED, Neon or Filament Lamp 0569 AW ○ Circular Indicator with Chrome Bezel / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp 0275 ○ 12mm Round Indicators / 9.5mm or 10.00mm Panel Cut Out / LED, Neon or Filament Lamp 0276 00, 0276 AA ○ Ø12.7mm Panel Cut Out / 15.9mm Bezel, LED, Neon or Filament Lamp 0589 ○ 14.6mm Round Indicator / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp 0277 ○ Neon Indicator With Side Mounted Clip On Lens / 4.75mm x 9.5mm Panel Cut Out 0234 ○ Ø12.0mm or 12.7mm Panel Cut Out / 14.5mm Bezel / LED, Neon or Filament Lamp 2821
---	--

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.

// Indicator Product Range:

DX0505
DX0506

DX0507
DX0508

0566

1041

2950
2951

0195BB

0278

0273

0568

0569 AW

0275

0276 00 / AA

0589

0277

0234

2821

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

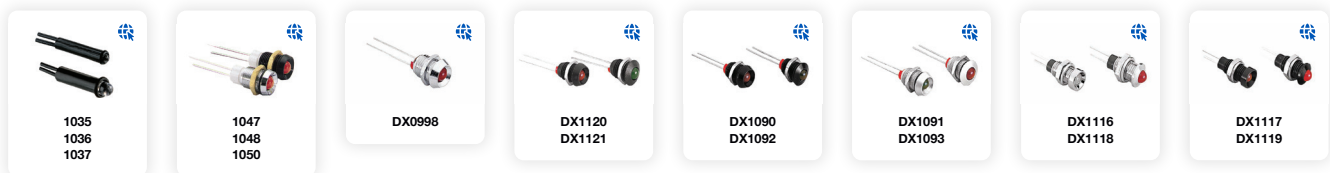
Body Style & Part Number Information:

// LEDs & Lampholders

- | | |
|---|--|
| <ul style="list-style-type: none"> ○ 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 | <ul style="list-style-type: none"> ○ 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 |
|---|--|

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.

// LED & Lampholder Product Range:



// 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

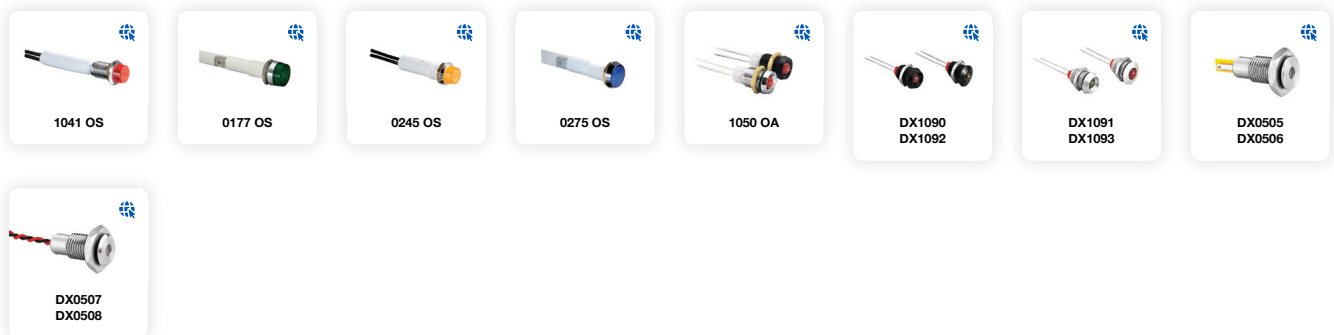
Body Style & Part Number Information:

// 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

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**.

// IP Rated LED & Lampholder Product Range:



// 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**

**Search for stock at:
www.bulgin.com/en/products/stock**

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