



**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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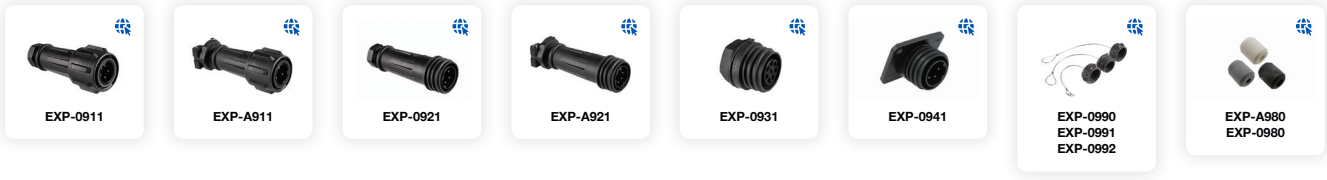
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// EXPlora Series	Quick Points:	Body Style & Part Number Information:
	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Quick Start Thread Coupling</li> <li>○ ATEX Zone 2 Certified &amp; Zone 22</li> <li>○ Plug or Socket Versions</li> <li>○ 7-13mm Dia Cable Acceptance - EXP-0</li> <li>○ 14-22mm Dia Cable Acceptance - EXP-A</li> <li>○ Strain Relief Clamp - EXP-A Series</li> <li>○ Up to 18A, 600V AC/DC Rating</li> <li>○ 2, 3, 4, 5, 7 &amp; 10 Pole</li> </ul>	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Flex Connector - EXP-0911, EXP-A911</li> <li>○ Flex In-line - EXP-0921, EXP-A921</li> <li>○ Panel Mount - EXP-0931</li> <li>○ Panel Mount (with Flange) - EXP-0941</li> <li>○ Sealing Caps - EXP-0990, EXP-0991, EXP-0992</li> <li>○ Gland Packs - EXP-A980, EXP-0980</li> </ul>

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.

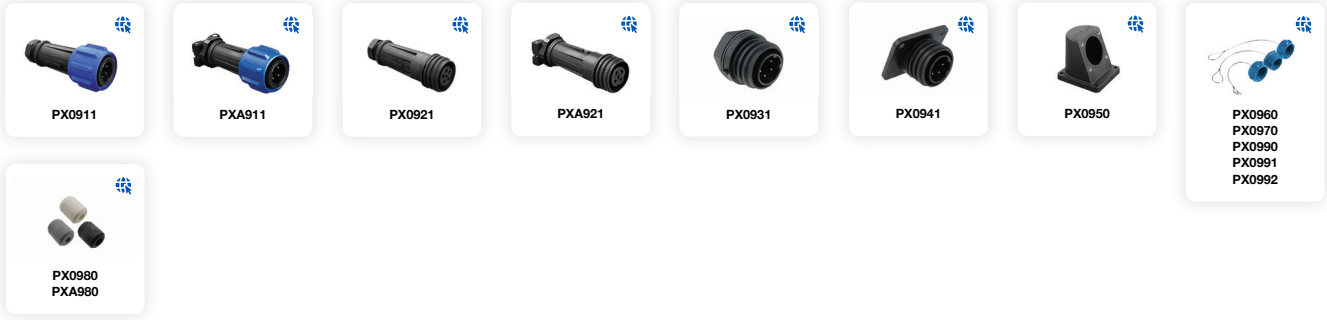
**// EXPlora Series Product Range:**



// 900 Series	Quick Points:	Body Style & Part Number Information:
	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Quick Start Thread Coupling</li> <li>○ Flex Cable Connector</li> <li>○ Mates with all other styles</li> <li>○ 2, 3, 4, 5, 7 &amp; 10 Pole</li> <li>○ Plug or Socket</li> <li>○ 32A, 600 V (7 Pole 430V)</li> <li>○ 7-22mm Cable Acceptance (7-13mm PX0, 14-22mm PXA)</li> <li>○ Overall Diameter 58mm</li> </ul>	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Flex Connector - PX0911, PXA911</li> <li>○ Flex In-line - PX0921, PXA921</li> <li>○ Panel Mount - PX0931</li> <li>○ Panel Mount (with Flange) - PX0941</li> <li>○ Additional Bulkhead Adapter Molding - PX0950</li> </ul>

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

- Screw Coupling
- 2, 3, 4, 6, 7, 9, 12 & 25 Pole
- Plug or Socket
- 1-12 Amp, 50-250V AC/DC
- 3.5-9mm Cable Acceptance
- Overall Diameter 38mm

#### // Data (Ethernet)

- Screw Coupling
- Single or Double Ended
- Standard Lengths: 2m, 3m & 5m
- Supplied with Shielded RJ45 Plug
- Cat5e or Cat6a

#### // Data (USB)

- Screw Coupling
- Available in various different A, B Configurations
- 2m, 3m & 5m Lengths

## Body Style & Part Number Information:

#### // Power

- 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)

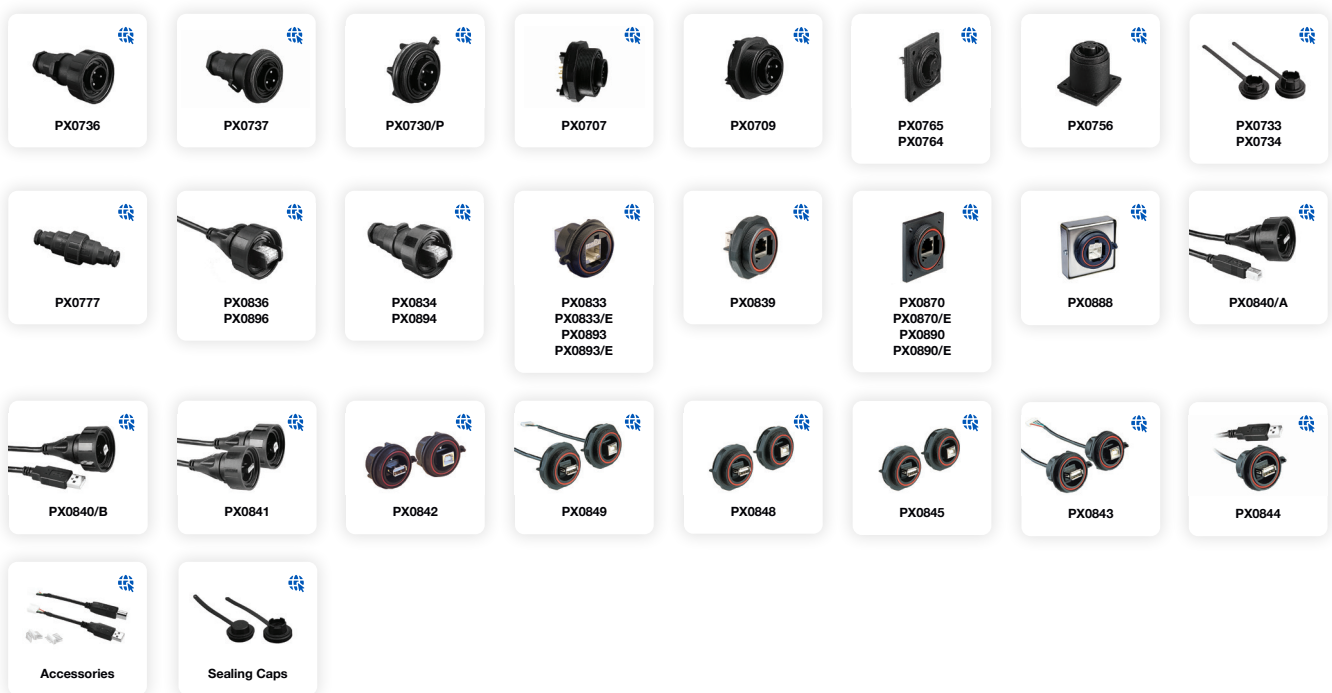
- Seal In-Line Cable Joiner - PX0777
- Ethernet Patch Cord Flex Connector PX0836, PX0837, PX0838 PX0896, PX0897, PX0898
- Ethernet Flex Connector / Rewireable PX0834, PX0894
- Ethernet Panel Mount - PX0833, PX0893
- Ethernet Rear Panel Mount - PX0839
- Ethernet Flanged Mount PX0870, PX0890
- Shield Back Shell Accessory - PX0888
- Sealing Cap Accessories

#### // Data (USB)

- 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)

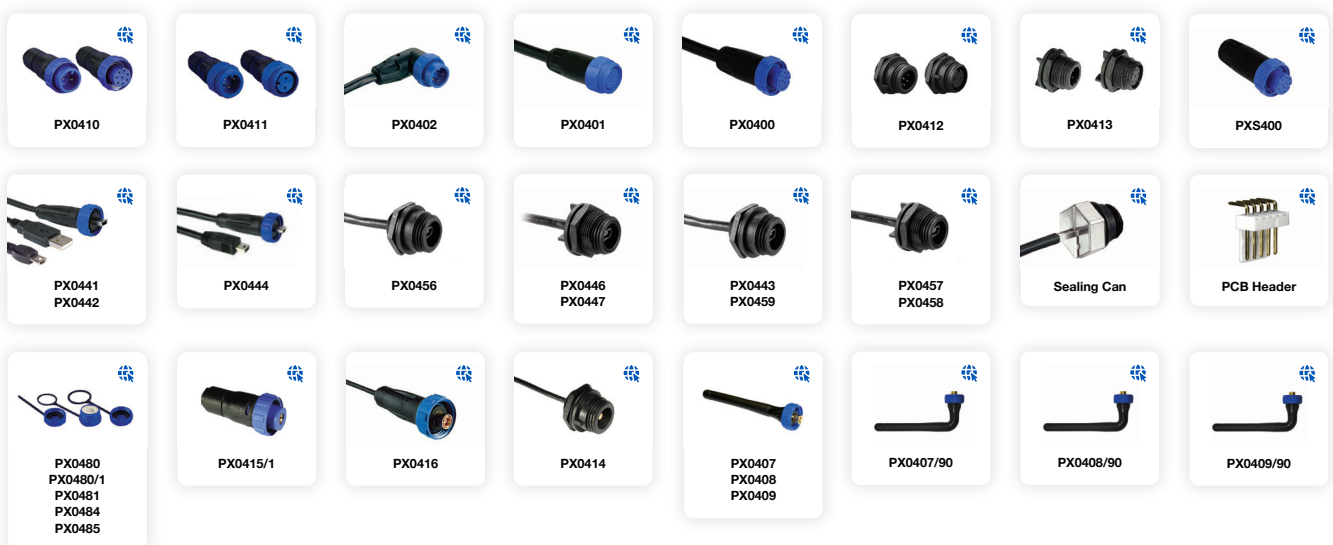
- Pre-Wired Overmould USB V2.0 Cable PX0441, PX0442, PX0444
- Front Panel Mount Mini USB Type AB PX0456
- Rear Panel Mount Mini USB Type B PX0446, PX0447
- Front Panel Mount Leaded Mini USB Type B PX0443, PX0459
- Rear Panel Mount Mini USB Type AB PX0457, PX0458
- 400 Series Mini USB Screening Can
- 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:		
		<b>// Power</b> <ul style="list-style-type: none"> <li>○ Rapid Twist Lock Coupling</li> <li>○ 2, 3, 4, 6, 8, 10 &amp; 12 Pole Power up to 600V, 13A</li> <li>○ Sealed to IP66, IP68 &amp; IP69K when mated</li> <li>○ Solder &amp; Crimp Contacts available</li> </ul>	<b>// Data (Micro USB)</b> <ul style="list-style-type: none"> <li>○ Data Rates up to 480Mbs</li> <li>○ USB V2.0 Performance</li> <li>○ Secure, Proven Locking System</li> <li>○ Tamperproof Construction</li> <li>○ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1</li> </ul>	<b>// Data (C-Type USB)</b> <ul style="list-style-type: none"> <li>○ Data rates up to 20 Gbps</li> <li>○ USB3.2 supported</li> <li>○ Secure, proven Locking System</li> <li>○ Tamperproof Construction</li> <li>○ Plug &amp; play capability</li> <li>○ IP66, IP68 &amp; IP69K rated</li> <li>○ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1</li> </ul>

Body Style & Part Number Information:			
<b>// Power</b> <ul style="list-style-type: none"> <li>○ Flex Connector - PXP4010</li> <li>○ Flex In-line - PXP4011</li> <li>○ Panel Mount - PXP4013</li> <li>○ Sealing Caps</li> </ul>	<b>// Data (Micro USB)</b> <ul style="list-style-type: none"> <li>○ Flex Connector Standard A to Micro B PXP4040</li> <li>○ Rear Panel Mount Micro B PXP4043</li> <li>○ Sealing Caps / Gland Packs / O-Rings</li> </ul>	<b>// Data (C-Type USB)</b> <ul style="list-style-type: none"> <li>○ Pre-Wired C-Type-A / USB V3.2 Gen 1 Cable PXP4040/C/A</li> <li>○ Rear Panel Mount / C-Type Micro USB PXP4043/C</li> <li>○ Pre-Wired C-Type-C / USB V3.2 Gen 2x2 Cable PXP4041/C/C</li> </ul>	

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
<p>Accessories</p>							

// 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><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Metal &amp; Plastic Versions</li> <li>○ Rapid Twist Locking</li> <li>○ 2, 3, 6, 10 &amp; 32 Pole</li> <li>○ Plug or Socket</li> <li>○ 25A, 600 V (max)</li> <li>○ 5-15mm Cable Acceptance</li> <li>○ Overall Diameter 42mm</li> </ul>	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Flex Connector PXP7010, PXM7010</li> <li>○ Flex In-line PXP7011, PXM7011</li> <li>○ Panel Mount PXP7012, PXM7012</li> <li>○ Sealing Caps</li> <li>○ Gland Packs</li> <li>○ Solder &amp; Crimp Contacts</li> <li>○ Tools &amp; Accessories</li> </ul>

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**.

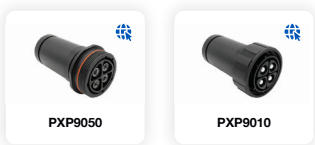
**// 7000 Series Product Range:**



// 9000 Series	Quick Points:	Body Style & Part Number Information:
	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Bayonet 1/4 Turn locking Mechanism</li> <li>○ 2 to 11 Contacts - up to 225A, 1250V AC RMS</li> <li>○ Screw Turn Locking</li> <li>○ 300+ AMP contacts upon request</li> <li>○ Positive feedback on locking mechanism</li> <li>○ IP68 when mated (for parts with backshell)</li> <li>○ Flex Body, Flex Body Inline &amp; Flange Mount Available</li> <li>○ Visual alignment features</li> </ul>	<p><b>// Power</b></p> <ul style="list-style-type: none"> <li>○ Flex Connector - PXP9010, PXP9050</li> <li>○ Flex In-Line Connector - PXP9011, PXP9051</li> <li>○ Flange Panel Mount Connector - PXP9012, PXP9052</li> </ul> <p><small>*4 Inch screw on back shells for cable mount screw &amp; 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 &amp; 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 &amp; 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)

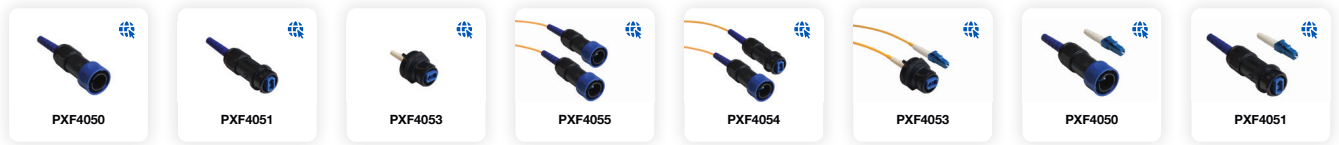
- Flex Fiber Connector / No Cable PXF6050
- Inline Fiber Connector / No Cable PXF6051
- Front Panel Mount Fiber Connector / No Cable PXF6052
- Flex to Inline Fiber Connector PXF6054
- Flex to Flex Fiber Connector PXF6055
- Flex to LC Fiber Connector PXF6050
- Inline to LC Fiber Connector PXF6051
- Front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

## // Fiber (Expanded Beam)

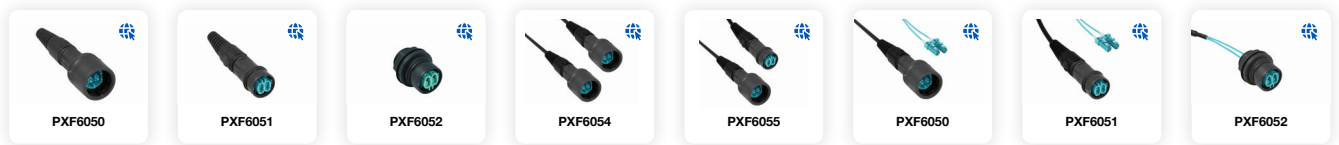
- 2 & 4 Channel Plug Connector PXEB5200MMXXXX, PXEB5400MMXXXX
- 2 & 4 Channel Jam Nut Bulkhead Connector PXEB5210XX, PXEB5410XX
- 2 & 4 Channel Jam Nut Bulkhead Connector with Cable Retention PXEB5210MMXXXX, PXEB5410MMXXXX
- 2 & 4 Channel Flange Mount Bulkhead Connector PXEB5220XX, PXEB5420XX
- 2 & 4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

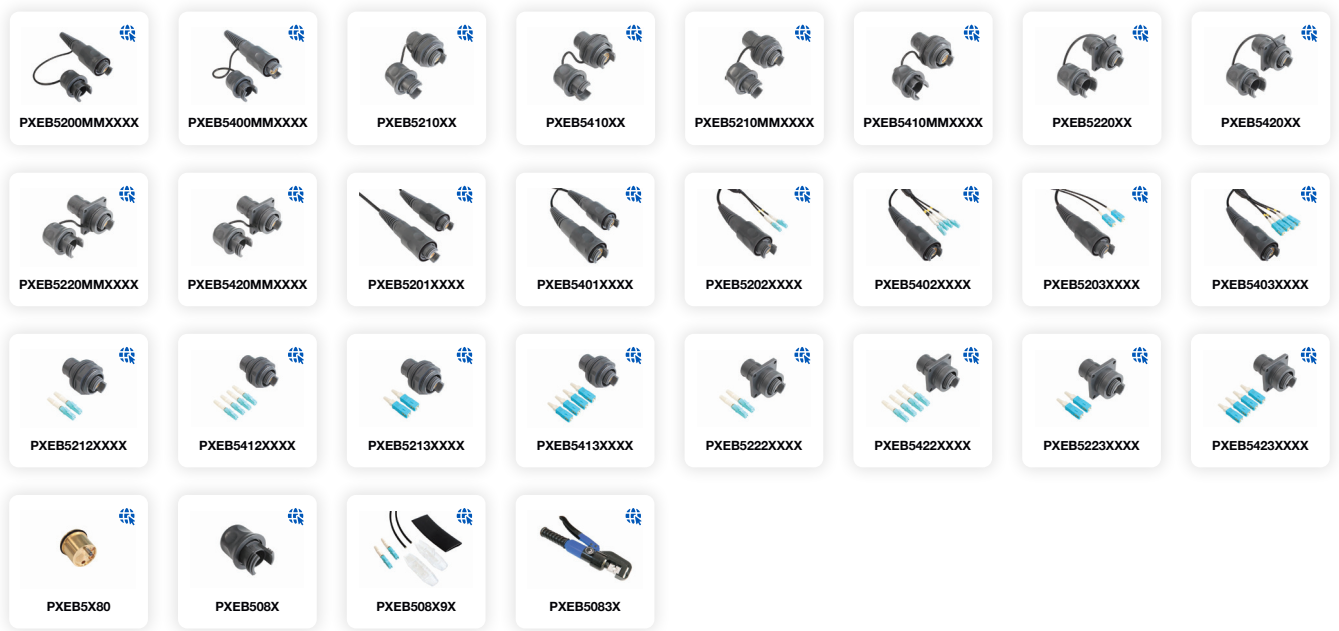
// 4000 Fiber Simplex:



// 6000 Fiber Duplex:



// 5000 Expanded Beam:



## // M Series

## Quick Points:



## // Power &amp; 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 &amp; 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

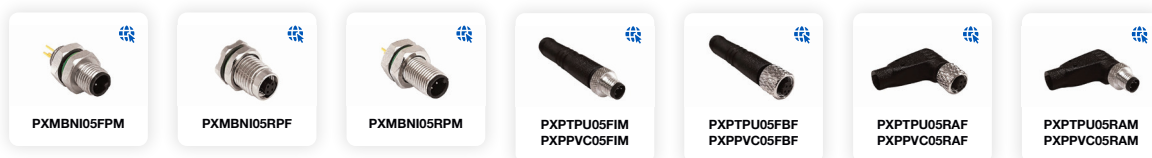
- M-Series Distribution Units  
BOX1M1205MA05M1205F, BOX1M1212MA08M803F,  
BOX1M1205MA09M1205F

## // M12 Series

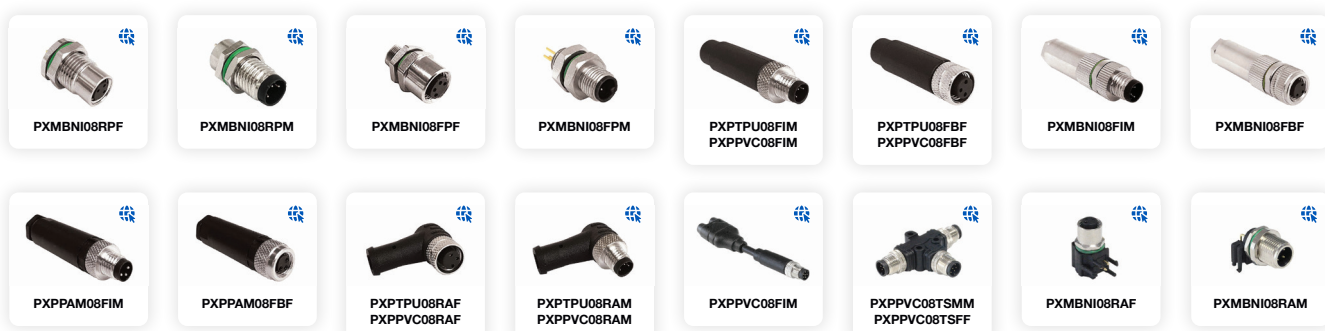
- Front & Rear Panel Mount Connector / Flying Lead  
PXMBN12RPM, PXMBN12RPF, PXMBN12FPF, PXMBN12FPM
- Rear Panel Mount Connector  
PXMBN12RPM, PXMBN12RPF, X-Code
- Inline Connector / Male  
PXPPAM12FIM
- Flex Body Connector / Female  
PXPPAM12FBF
- Right Angled Flex Body Connector  
PXPPAM12RAM, PXPPAM12RAF
- 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:	
	<b>// Push-Pull (X Series)</b> <ul style="list-style-type: none"> <li>○ Multiple contacts from 2 to 50</li> <li>○ Secure Push-Pull self-latching system</li> <li>○ Multiple key options to avoid mismatching</li> <li>○ Solder contacts</li> <li>○ High packing density for space savings on fixed sockets (panel mount connectors) &amp; straight plug connectors</li> <li>○ &gt;4500 cycles</li> <li>○ IP50 rated</li> <li>○ 360-degree screening for full EMI shielding</li> <li>○ ROHS compliant</li> </ul>	<b>// Push-Pull (Y Series)</b> <ul style="list-style-type: none"> <li>○ Multiple contacts from 2 to 30</li> <li>○ IP66 rated</li> <li>○ 360-degree screening for full EMC shielding</li> <li>○ Keying system (G key standard) for connector alignment</li> <li>○ Multiple key features to avoid cross mating of similar connectors</li> <li>○ Rugged housing for extreme working conditions; watertight connection</li> <li>○ Solder contacts (Straight Plug &amp; Fixed Socket)</li> <li>○ High packing density for space savings</li> <li>○ Security of the Push-Pull latching system</li> <li>○ &gt;4500 cycles</li> </ul>	

### Body Style & Part Number Information:

<b>// X Series</b> <ul style="list-style-type: none"> <li>○ 00 Series Fixed Socket Push Pull Connector - PPCEGG00</li> <li>○ 00 Series Straight Plug Push Pull Connector - PPCFGG00</li> <li>○ 0X Series Fixed Socket Push Pull Connector - PPCEGG0B</li> <li>○ 0X Series Straight Plug Push Pull Connector - PPCFGG0B</li> <li>○ 1X Series Fixed Socket Push Pull Connector - PPCEGG1B</li> <li>○ 1X Series Straight Plug Push Pull Connector - PPCFGG1B</li> <li>○ 2X Series Fixed Socket Push Pull Connector - PPCEGG2B</li> <li>○ 2X Series Straight Plug Push Pull Connector - PPCFGG2B</li> <li>○ 3X Series Fixed Socket Push Pull Connector - PPCEGG3B</li> <li>○ 3X Series Straight Plug Push Pull Connector - PPCFGG3B</li> </ul>	<b>// Y Series</b> <ul style="list-style-type: none"> <li>○ 0Y Series Fixed Socket Push Pull Connector - PPCEGG0K</li> <li>○ 0Y Series Straight Plug Push Pull Connector - PPCFGG0K</li> <li>○ 1Y Series Fixed Socket Push Pull Connector - PPCEGG1K</li> <li>○ 1Y Series Straight Plug Push Pull Connector - PPCFGG1K</li> <li>○ 2Y Series Fixed Socket Push Pull Connector - PPCEGG2K</li> <li>○ 2Y Series Straight Plug Push Pull Connector - PPCFGG2K</li> <li>○ 3Y Series Fixed Socket Push Pull Connector - PPCEGG3K</li> <li>○ 3Y Series Straight Plug Push Pull Connector - PPCFGG3K</li> </ul>
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**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:

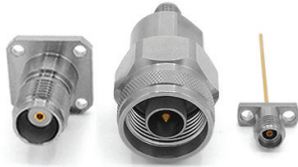


### // Y Series Product Range:



## // Radio Frequency (RF) Series

## Quick Points:



## // Radio Frequency (RF)

- 50-ohm Impedance
- Insulation resistance >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 &amp; 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

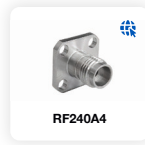
The Bulgin **Radio Frequency (RF) connector range** offers optimised solutions to work with a wide range of signals at **various frequency levels with low losses**. These connectors are **expertly designed** to work with **coaxial cables** to operate at **multiple Gigahertz**, offering **protection &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



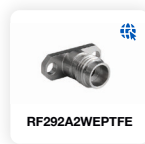
// 1.85mm Series Product Range:



// 2.40mm Series Product Range:



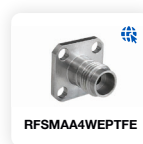
// 2.92mm Series Product Range:



// N Type Series Product Range:



// SMA Series Product Range:



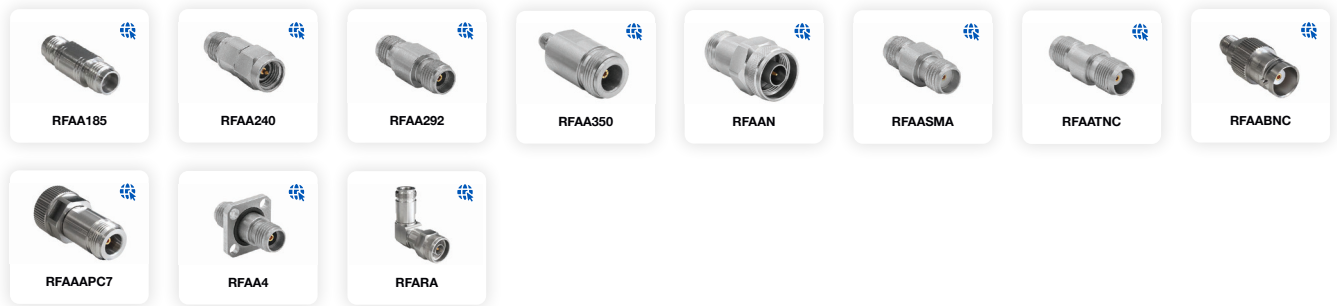
// SSMA Series Product Range:



// TNCA Series Product Range:

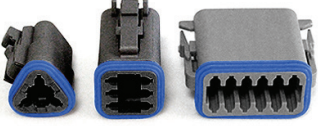


// RF Adapter Series Product Range:



// RF Termination Series Product Range:



// Rectangular Series	Quick Points:	Body Style & Part Number Information:
	<p>// Rectangular</p> <ul style="list-style-type: none"> <li>○ Rated to 13A</li> <li>○ 2, 3, 4, 6, 8 &amp; 12 Contact Count</li> <li>○ Wedge-locks available for contact retention &amp; alignment</li> <li>○ Wedge locks for 2-12 positions</li> <li>○ Accepts size contacts 14-20 AWG</li> <li>○ IP68 (with Rear Protection)</li> <li>○ Gold &amp; Nickel plated terminal options (Both stamped or solid versions available)</li> <li>○ Choice of Enhanced Seal Retention (ESR), Protective End Caps (PEC), Shrink Boot Adapters (SBA), Welded Flange (WFL), Terminating Resistors (TER) &amp; a Y-Type Connector (YTY)</li> </ul>	<p>// Rectangular</p> <ul style="list-style-type: none"> <li>○ Standard Rectangular Connector Male / Female PX0100, PX0101</li> <li>○ Standard Rectangular Connector Male - ESR PX0102</li> <li>○ Standard Rectangular Connector Male - ESR &amp; PEC PX0103</li> <li>○ Standard Rectangular Connector Male - ESR &amp; SBA PX0104</li> <li>○ Standard Rectangular Connector Male - PEC PX0105</li> <li>○ Standard Rectangular Connector Female - PEC PX0106</li> <li>○ Standard Rectangular Connector Female - PEC &amp; SBA PX0107</li> <li>○ Standard Rectangular Connector Male - SBA PX0108</li> <li>○ Standard Rectangular Connector Female - SBA PX0109</li> <li>○ Standard Rectangular Connector Male - TER PX0110</li> <li>○ Standard Rectangular Connector Female - TER PX0111</li> <li>○ Standard Rectangular Connector Female - WFL PX0112</li> <li>○ Standard Rectangular Connector Female - YTY PX0113</li> <li>○ Standard Rectangular Connector - Wedgelocks</li> <li>○ Standard Rectangular Connector - Contacts SA1000</li> <li>○ Standard Rectangular Connector - Tooling 10000</li> </ul>

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 &amp; 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

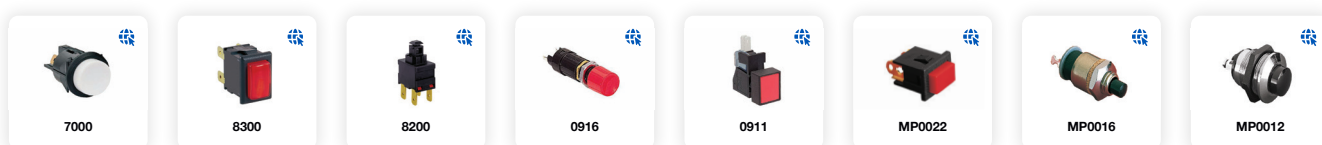
## Body Style &amp; Part Number Information:

## // Push Button Switches

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>○ 7000 Series Push Button Switches<br/>7000, 7001, 7003, 7004, 7050, 7051, 7053, 7054, 7030</li> <li>○ 8300 Series Push Button Switches<br/>8300, 8301, 8303, 8304, 8350, 8351, 8353, 8354, 8355, 8356</li> <li>○ 8200 Series Push Button Switches<br/>8200, 8201, 8250, 8251</li> <li>○ 0916 Series 7mm or 19mm Panel Cutout Low Current Push Button Switches<br/>0916, 0917, 0918, 0919, 0920</li> </ul> | <ul style="list-style-type: none"> <li>○ 0911 Push Button Switches<br/>0911</li> <li>○ MP0022 Series 14.5mm x 9.5mm Panel Cutout Rectangular Push Button Switches<br/>MP0022</li> <li>○ 6.6mm Panel Cutout Rear Panel Mount Push Button Switches<br/>MP0016</li> <li>○ 19mm Panel Cutout Front Panel Mount Push Button Switches<br/>MP0012, MP0012/1</li> </ul> |
|---|---|

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

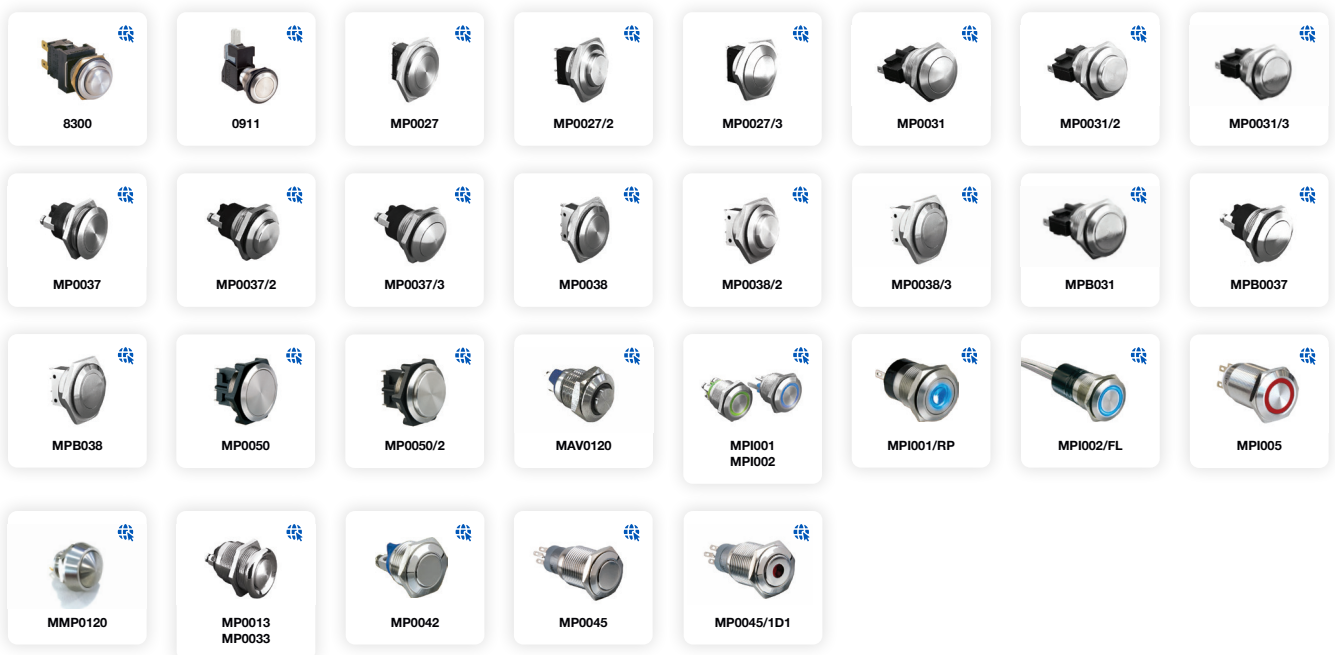
## Body Style & Part Number Information:

### // 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

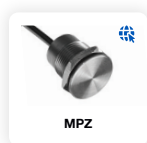
#### // Capacitive Switches

- Capacitive Switch Range  
MC16, MC19, MC22, MC25

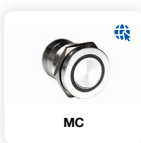
Bulgin's **Touch Switches** are available with either **Piezo** or **Capacitive Technology**. Available in **16mm, 19mm & 22mm** sizes with **Illuminated & Non-Illuminated** options, our **Vandal Resistant Piezo Switches** are operable with gloves & sealed to **IP68/IP69k** standards, making them the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

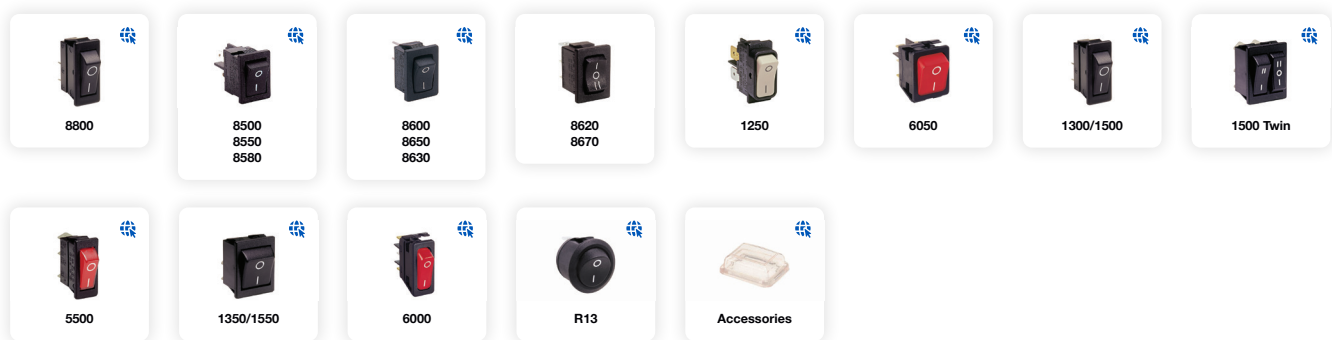
## Body Style & Part Number Information:

### // 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 &amp; Part Number Information:

## // Rocker Switches

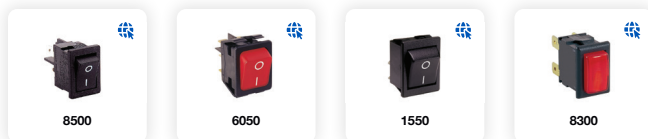
- Minature Rocker Switches / Matching Indicators  
8500, 8550, 8580 Indicator
- Minature Rocker Switches / Matching Indicators  
8600, 8650, 8630 Indicator
- Range of Double Contact & 3 Position Selective Rocker Switches  
1550, 1350, 1484, 1487, 0480, 1551, 1552, 1553, 1560, 1561, 1562, 1570, 1571,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

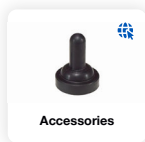
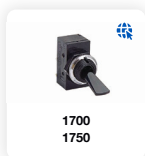
### Body Style & Part Number Information:

#### // 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><b>// Refrigerator Switches</b></p> <ul style="list-style-type: none"> <li>○ Door Switches</li> <li>○ Switch Rating from 0.2A, 250VAC up to 5A, 250VAC</li> <li>○ Splash Resistant Variants</li> <li>○ Choice of Actuators</li> <li>○ Momentary On &amp; Momentary Off Switching</li> </ul>	<p><b>// Refrigerator Switches</b></p> <ul style="list-style-type: none"> <li>○ Refrigerator Door Switches 3100</li> <li>○ Refrigerator Door Switches 3005, 3006</li> <li>○ Refrigerator Door Switches 3141-3145-3146</li> <li>○ Round Door Switches 0055-0056</li> </ul>

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><b>// Battery Holders</b></p> <ul style="list-style-type: none"> <li>○ Screw &amp; Flange Panel Fixing</li> <li>○ PCB &amp; Base Mounting versions</li> <li>○ Standard Fixing &amp; Front Panel Sealed Panel Mounting Versions, IP67 Rated</li> <li>○ Open Frame Styles available</li> </ul>	<p><b>// Battery Holders</b></p> <ul style="list-style-type: none"> <li>○ AA/R6 Sealed Flanged Panel Mount / 1-3 Cells BXS011/1, BXS012/1, BXS013/1</li> <li>○ C/R14 Sealed Panel Mount / 1-3 Cells BXS001/1, BXS002/1, BXS003/1</li> <li>○ D/R20 Sealed Flanged Panel Mount / 1-3 Cells BXS016, BXS017, BXS018</li> <li>○ AA/R6 Flanged Panel Mount / 1-3 Cells BX0011/1, BX0012/1, BX0013/1</li> <li>○ AA/R6 Flanged Panel Mount (Removable Drawer) / 4 Cells BX0027</li> <li>○ C/R14 Panel Mount (Screw On Cap) / 1-3 Cells BX0001/1, BX0002/1, BX0003/1</li> <li>○ D/R20 Flanged Panel Mount (Cap / Coin Slot) / 1-3 Cells BX0016, BX0017, BX0018</li> <li>○ PP3/6R61 Flanged Panel Mount (Removable Drawer) / 1 Cell BX0023</li> <li>○ PP3/6R61 Panel Mount (Removable Drawer) / 2 Cells BX0026</li> <li>○ CR123 PCB / Base Mount / 1 Cell BX0123</li> <li>○ AAA/R03 PCB / Base Mount / 1 Cell BX0034</li> <li>○ AA/R6 PCB / Base Mount / 1 Cell BX0035</li> <li>○ C/R14 PCB / Base Mount / 1 Cell BX0036</li> <li>○ D/R20 PCB / Base Mount / 1 Cell BX0037</li> <li>○ PP3/6R61 PCB / Base Mount / 1 Cell BX0033</li> </ul>

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

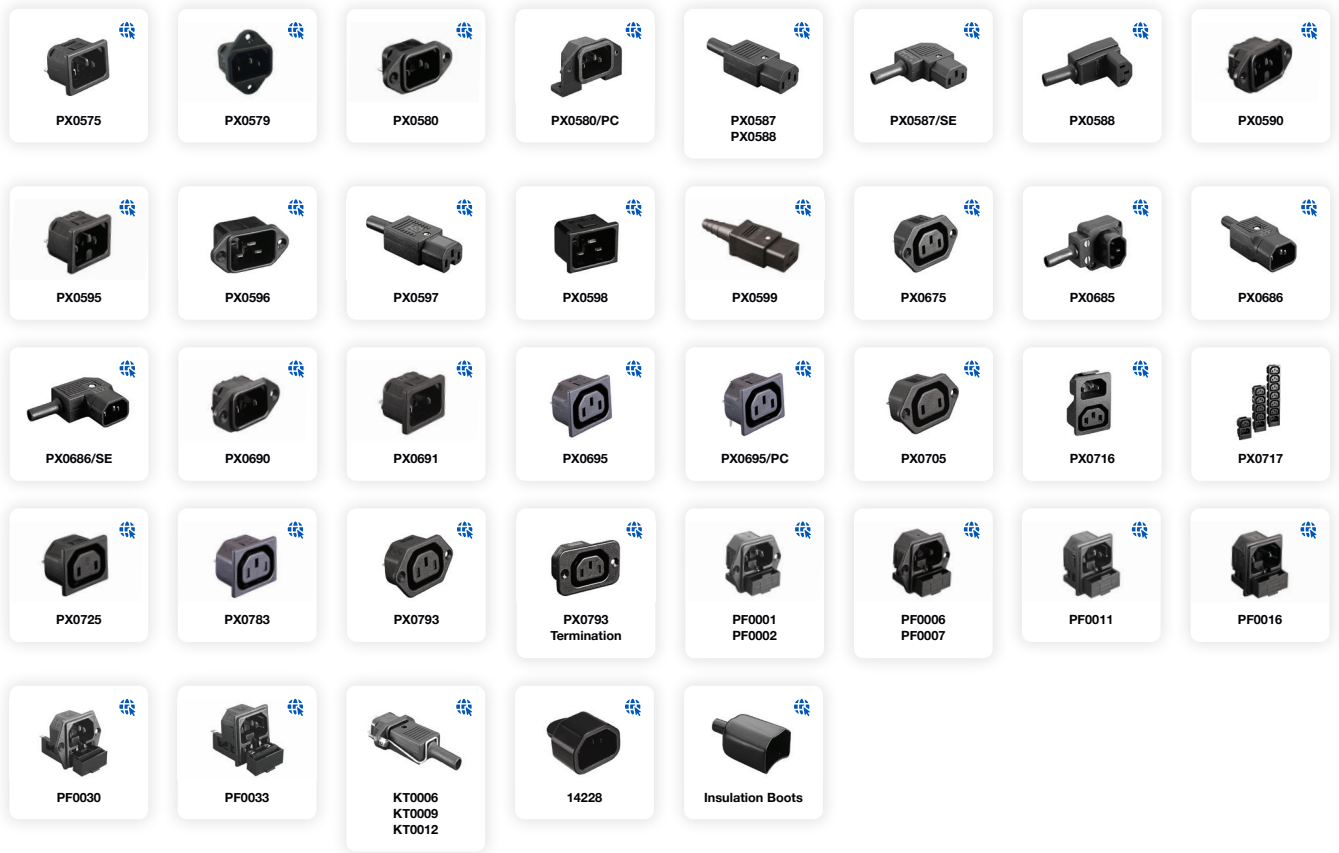
## Body Style &amp; Part Number Information:

## // 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:

#### // 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

### Body Style & Part Number Information:

#### // 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:





## // 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

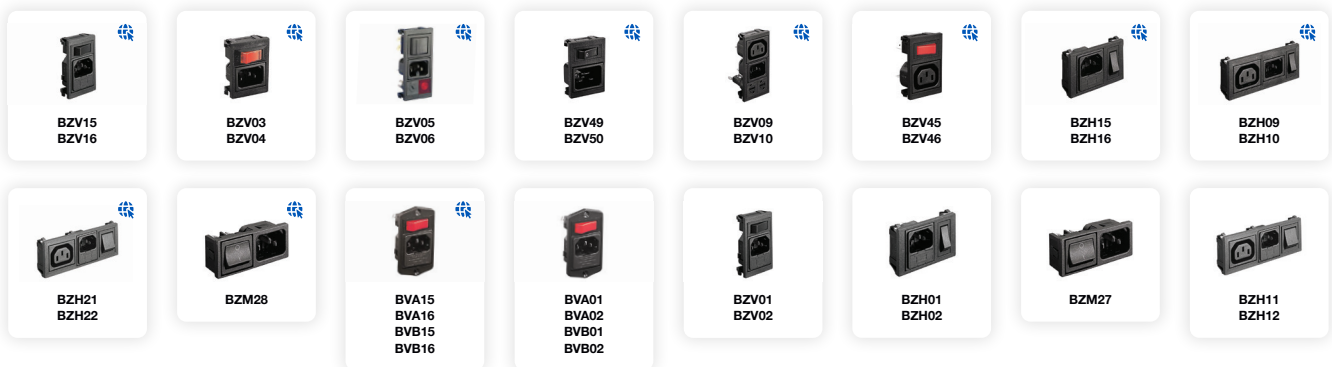
## Body Style & Part Number Information:

### // Power Entry Modules

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

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:

### // 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

## Body Style & Part Number Information:

### // 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

## 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

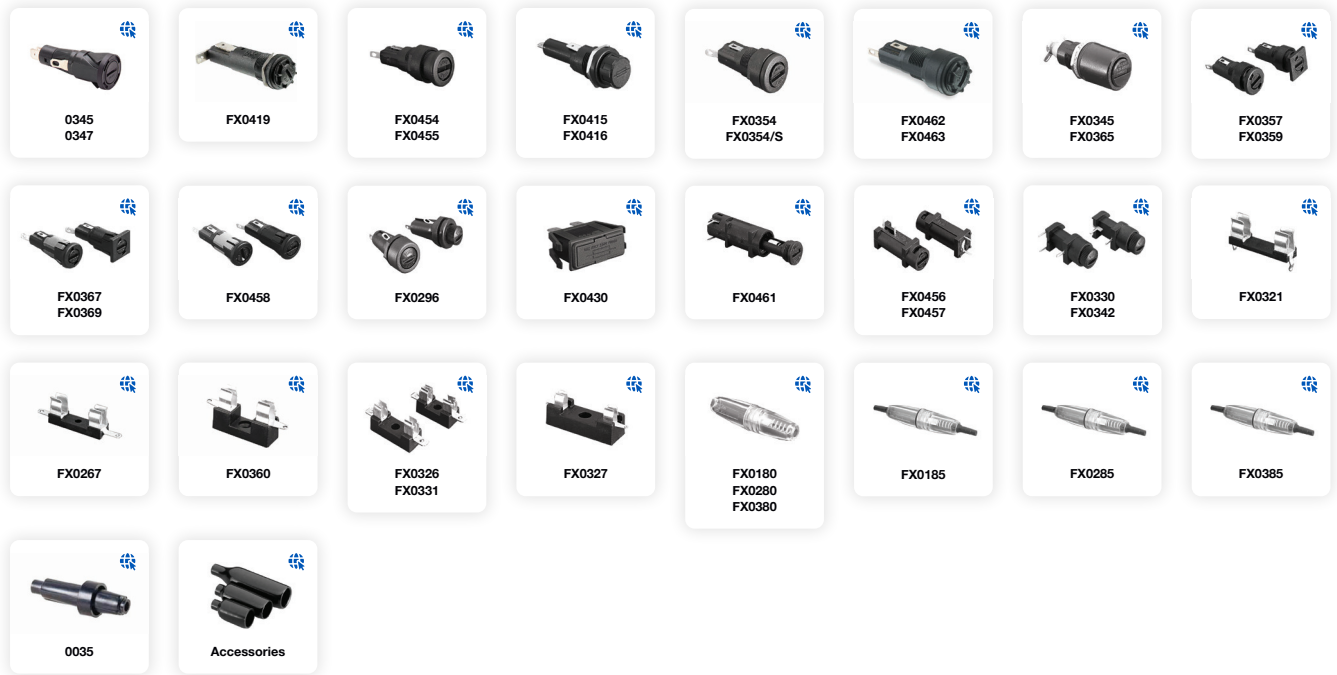
## Body Style &amp; Part Number Information:

## // Fuse Holders

- |   |  |
|---|--|
| ○ PC2 Low Profile Bezel Touchproof 6x32mm 16A Fuseholder<br>0345, 0347              | ○ PC3 PCB Horizontal Mount Touchproof 5x20mm 10A Screw Cap Fuseholder<br>FX0461                            |
| ○ FX0417 Replacement Product Code - FX0419<br>FX0419                                | ○ PC2 PCB H&V Mount Touchproof 5x20mm 10A Bayonet Cap Fuseholder<br>FX0456, FX0457                         |
| ○ PC2 Panel Mount Touchproof 5x20mm 10A Screw Cap Fuseholder<br>FX0454, FX0455      | ○ PC1 PCB Horizontal Mount Touchproof 5x20mm 6.3A Screw Cap Fuseholder<br>FX0330, FX0342                   |
| ○ PC2 Panel Mount Touchproof 6.3x25/32mm 13A Screw Cap Fuseholder<br>FX0415, FX0416 | ○ PC1 PCB Mount 5x20mm 6.3A Fuseholder<br>FX0321   |
| ○ PC2 Panel Mount Touchproof 5x20mm 6.3A Screw Cap Fuseholder<br>FX0354, FX0354/S   | ○ PC1 Base Mount 5x20mm 6.3A Fuseholder<br>FX0267  |
| ○ PC2 Panel Mount IP68 Sealed 5x20mm 10A Screw Cap Fuseholder<br>FX0462, FX0463     | ○ PC1 Base Mount Raised 5x20mm 6.3A Fuseholder<br>FX0360   |
| ○ PC1 Panel Mount IP66 Sealed 5x20mm 6.3A Screw Cap Fuseholder<br>FX0345, FX0365    | ○ PC1 Base Mount Raised 6.3x25/32mm 13A Fuseholder<br>FX0326, FX0331                                       |
| ○ PC2 Panel Mount Touchproof 5x20mm 10A Bayonet Cap Fuseholder<br>FX0357, FX0359    | ○ PC1 Base Mount Raised 6.3x32mm 5A Fuseholder<br>FX0327   |
| ○ PC2 Snap Fit Touchproof 5x20mm 10A Bayonet Cap Fuseholder<br>FX0367, FX0369       | ○ PC1 Inline 5x20mm & 6.3x25/32mm 10A Fuseholder<br>FX0180, FX0280, FX0380                                 |
| ○ PC2 Snap Fit Touchproof 5x20mm 10A Screw Cap Fuseholder<br>FX0458                 | ○ Fuseholder Protection Category PC1 IP66 Sealed In-Line Clear Screw Termination<br>FX0185, FX0285, FX0385 |
| ○ PC1 Panel Mount Touchproof 5x20mm 6.3A Screw Cap Fuseholder<br>FX0296             | ○ PC2 Inline 6.3x32mm Fuseholder<br>0035   |
| ○ PC3 Snap Fit Touchproof 5x20mm Fuse 10A Captive Drawer Carrier<br>FX0430          | ○ Accessories<br>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"> <li>○ Stainless Steel Vandal Resistant LED Indicators / Ø12.1mm Panel Cut Out DX0505, DX0506, DX0507, DX0508</li> <li>○ 6.0mm Panel Cut Out / 7.0mm Bezel, LED or Neon 0566</li> <li>○ Indicator with Chrome Plated Brass Bezel / 6.3mm Panel Cut Out 1041</li> <li>○ 8.0mm Panel Cut Out / 7.5mm Bezel / LED, Neon or Filament Lamp 2950, 2951</li> <li>○ 8.0mm Panel Cut Out / 9.5mm Bezel / Neon or Filament Lamp 0195BB</li> <li>○ Square Lens Indicator / 9.0mm Panel Cut Out / LED, Neon or Filament Lamp 0278</li> <li>○ 12.2mm Round Indicator / 9.0mm Panel Cut Out / LED, Neon or Filament Lamp 0273</li> <li>○ 8.0mm Panel Cut Out / 9.5mm or 10.0mm Bezel / LED, Neon or Filament Lamp 0568</li> </ul>	<ul style="list-style-type: none"> <li>○ 10mm Round Indicator (Removable Lens) / 8.0mm Panel Cut Out / LED, Neon or Filament Lamp 0569 AW</li> <li>○ Circular Indicator with Chrome Bezel / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp 0275</li> <li>○ 12mm Round Indicators / 9.5mm or 10.00mm Panel Cut Out / LED, Neon or Filament Lamp 0276 00, 0276 AA</li> <li>○ Ø12.7mm Panel Cut Out / 15.9mm Bezel, LED, Neon or Filament Lamp 0589</li> <li>○ 14.6mm Round Indicator / Ø10.0mm Panel Cut Out / LED, Neon or Filament Lamp 0277</li> <li>○ Neon Indicator With Side Mounted Clip On Lens / 4.75mm x 9.5mm Panel Cut Out 0234</li> <li>○ Ø12.0mm or 12.7mm Panel Cut Out / 14.5mm Bezel / LED, Neon or Filament Lamp 2821</li> </ul>
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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

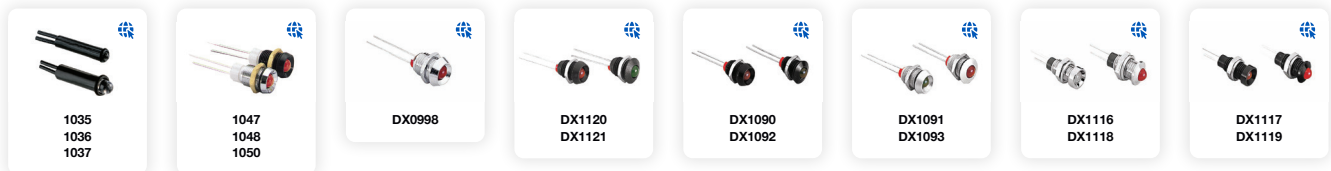
## Body Style & Part Number Information:

### // LEDs & Lampholders

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>○ LED Lampholders / 4.5mm/6.0mm/6.35mm Panel Cut Out<br/>1035, 1036, 1037</li> <li>○ 3mm &amp; 5mm LED Lampholders / 6.3mm/8.0mm Panel Cut Out<br/>1047, 1048, 1050</li> </ul> | <ul style="list-style-type: none"> <li>○ 5mm LED Indicators / Ø6.1mm Panel Cut Out / 7.6mm Bezel<br/>DX0998, DX1120, DX1121, DX1090, DX1092, DX1091, DX1093</li> <li>○ 4.0mm LED Indicators / Ø6.1mm Panel Cut Out<br/>DX1116, DX1118, DX1117, DX1119</li> </ul> |
|---|--|

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

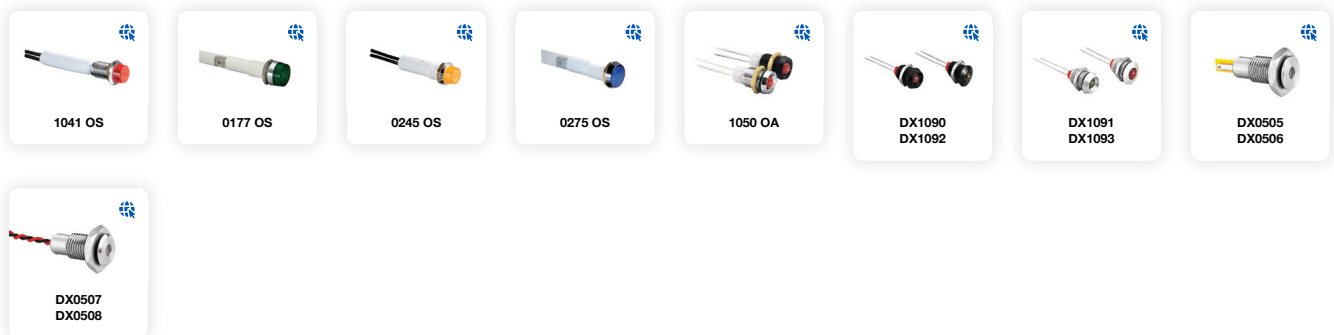
Body Style & Part Number Information:

// 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 &amp; 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](http://www.bulgin.com/en/products/distributors)**

**Search for stock at:  
[www.bulgin.com/en/products/stock](http://www.bulgin.com/en/products/stock)**

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