

Industry Applications.



















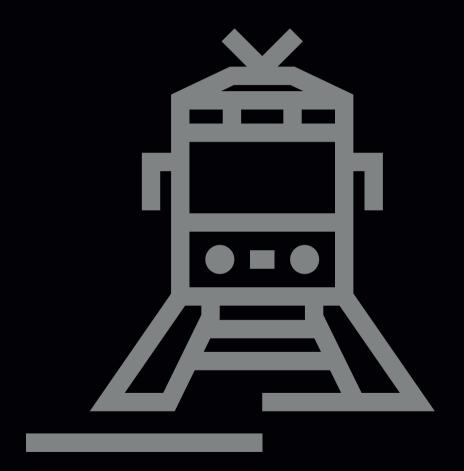


Bulgin is widely recognised as a leading manufacturer of environmentally sealed connectors & components.

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.

Transport & Infrastructure.

With ambient & environmental conditions such as water, moisture & extreme temperatures posing a constant threat to transport & infrastructure applications, reliable & robust solutions are vitally important in this sector. From outdoor lighting & industrial meters to HVAC systems & surveillance cameras, rest assured that our industry leading solutions are built for maximum reliability & performance to support the challenging needs of various indoor, outdoor & industrial applications.



Lighting.

Bulgin is an industry leader in manufacturing reliable electronic solutions for lighting applications around the world. With ambient & environmental conditions such as water, moisture & extreme temperatures posing a constant threat to the performance of outdoor lighting equipment, secure & robust solutions are of paramount importance. For years we have supported the lighting needs of various infrastructure applications with our industry-leading solutions being used in various indoor, outdoor & industrial applications, from portable lighting for construction to airport flood lights.

Our IP rated circular connectors for power, signal & data are particularly suited to providing the high levels of performance needed for such demanding environments. Capable of being submerged in water & able to withstand high levels of UV exposure, they are specifically designed to reduce installation time & excel in challenging environmental conditions. If you require reliable waterproof connectors & cable assemblies suited to outdoor & architectural lighting applications, then Bulgin is the perfect choice to meet your unique lighting requirements.

- Roadside LED Lighting
- Commercial Lighting
- External Building LED Lighting

- O Portable Maintenance LED Lighting
- Airport Flood Lighting
- Sport Venue LED Lighting



400 Series

Circular Power Connectors



- Ratings up to 8A, 250V ac/dc
- O 2, 3, 4, 6, 8, 10 & 12 contacts
- Pin or socket, screw thread locking
- CE, UL, CSA & VDE approvals

5 body styles, Flex, Inline, Panel (2 styles), Panel Side Entry

Standard Series

Circular Power Connectors





- O Rating up to 12A, 277V ac/dc
- O 2, 3, 4, 6, 7, 9, 12 & 25 contacts
- IP66, IP67, IP68 & IP69K protection
- Plug & receptacle connectors
- O CCC, UL, CSA & VDE approvals

Mini Series

Circular Power Connectors







- Water & dustproof to IP68 when mated
- 2, 3, 4 or 6 Contact screw terminal inserts
- 3 or 8 Contact solder or crimp inserts
- Cable range from 3.5mm 9mm

Fuse Holders

Fuse Holders







- In-line, panel, PCB & base mounting
- Screw or snap fit variants
- PC1, PC2 & PC3 shock protection
- IP66, IP67 & IP68 sealed versions
- Ideal for 5x20mm & 6.3x32mm fuse sizes

4000 Series

Circular Power Connectors







- Ratings up to 13A, 600V ac/dc
- O 2, 3, 4, 6, 8, 10 & 12 Contacts
- Pin or socket, bayonet locking
- ↑ UL. CSA & VDE approvals

Push Button

Switches







- Miniature, Round, Rectangular & Square Styles
- O Front & Rear Panel Mount Types
- Illuminated & Non-Illuminated
- High Power Version 12(12)A @ 250VAC
- O PC Mountable Options

6000 Series

Circular Power Connectors







- O 2 22 Contacts
- Plastic or Metal Housing
- IP66, IP67, IP68 & IP69K protection
- Secure, quick mating / release
- cULus, UL, VDE Approvals

Rocker Switches

Switches





- Ratings from 10A, 250Vac 20A, 277Vac
- Push-on, solder & PCB terminals
- Splash resistant & antimicrobial options
- Illuminated & Non-Illuminated options
- Large selection of sizes & styles

Security & Surveillance.

With applications such as surveillance cameras constantly operating in some of the world's most challenging outdoor environments, reliable data & power transmissions are vital for ensuring that they can operate 24/7 in harsh ambient conditions. To resolve this issue, we have created a wide variety of standardised rugged, lightweight & sealed connectivity solutions including field installable connectors & overmolded cable assemblies that can also be customised for your specific design & development needs.

Whether you require secure & reliable connectors for camera systems or robust anti vandal switches for door entry keypads, we are sure to have the right solution for your security application. We thrive on providing secure & reliable solutions that prevent downtime & minimise maintenance work for applications where security & surveillance are a priority to your operations.

- ↑ Traffic Cameras
- ANPR Cameras & Sensors
- Parking Control Camera
- Security Door Switch
- Door Entry Keypads

- Aerial Surveillance & Mapping
- Security Video Monitoring
- Portable Alarm Systems
- Unmanned Surface Vehicle
- CCTV Cameras



Standard Series

Circular Power Connectors







- Rating up to 12A, 277V ac/dc
- O 2, 3, 4, 6, 7, 9, 12 & 25 contacts
- IP66, IP67, IP68 & IP69K protection
- Plug & receptacle connectors
- CCC, UL, CSA & VDE approvals

Push-Pull Series

Circular Automation Connectors



- Multiple contacts from 2 to 30
- High packing density for space savings
- Temp:-50°C to +200°C
- Cycle: >4500
- Resistance of Vibration: 10-2000Hz, 15g

Fiber Range

Circular Fiber Connectors





- 4000, 5000 & 6000 series available
- Simplex & Duplex LC-Type Interface
- Expanded Beam series options
- Flex, Inline, Rear & Front Panel
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks

400 Series Mini USB

Circular Data Connectors







- Sealed Mini-USB cable connectors
- Data rates up to 480Mbs
- IP66, IP67, IP68 & IP69K protection
- USB V2.0 performance
- Front + rear & PCB panel mount options

M5 / M8 / M12

Circular Automation Connectors



- A, B & D Coding Options
- IP67 protection
- Plastic & Metal Variants
- Overmolded cables PVC & PUR
- Ratings from 1A, 30V ac/dc up to 8A, 250V ac/dc

4000 Micro USB

Circular Data Connectors





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- Data rates up to 480Mbs
- USB V2.0 performance
- IP66, IP67, IP68 & IP69K protection
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Vandal Resistant









- O Rugged & Attractive
- High Corrosion Resistance
- Dome, Low & Prominent Profiles
- IP66, IP67 & IP68 Sealing Versions
- Illuminated & Non-Illuminated

400 Series SMB

Circular Data Connectors







- 50Ω impedance SMB antenna
- Frequency range 0 4GHz
- IP66, IP67, IP68 & IP69K protection
- Rewireable & pre-wired options
- RG-174 cables

Buildings & Construction.

Heavy duty machinery used for construction & building maintenance require components that are equally as rugged as the environments that they operate in. From outdoor lighting & industrial meters to indoor HVAC systems, rest assured that our wide range of switches, indicators & waterproof connectors are built for maximum reliability & performance.

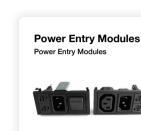
- Air Compressor
- Cherry Pickers
- Terrain / Mud Monitoring Systems
- O Smart Metering

- Security Door Switch Panels
- Moisture Meters
- Heating Systems
- Air Cleaning Systems
- Disabled Refuge Systems



Standard Series Circular Power Connectors

- Rating up to 12A, 277V ac/dc
- Q 2, 3, 4, 6, 7, 9, 12 & 25 contacts
- Q IP66, IP67, IP68 & IP69K protection
- O Plug & receptacle connectors
- CCC, UL, CSA & VDE approvals



- O Vertical & horizontal arrangement
- Single or double pole variants
- Combinations of IEC inlets/outlets, filtered inlets, switches, fuse holders, voltage selectors & indicators available



Panel sealed IP66 & IP67 versions

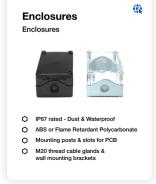
Wide choice of bezel sizes & styles

Multiple termination types

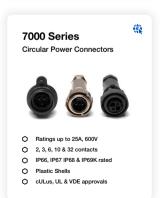
Rugged stainless steel variants











Transportation.

The world is constantly changing & we help to keep it moving with our connectivity solutions. With more transport links & vehicles needed than ever before to meet the challenging needs of a growing population, we help to future proof your investment by providing cost effective & high performance solutions that last.

Experts in manufacturing sealed electrical connectors, we've provided connectivity solutions to transport & infrastructure applications for years. Particularly suited to provide power, signal & data connections in harsh environments, our reliable connector range makes sure that people & goods successfully get to their destination by land, sea or air.

- Lorry / Truck LED Lighting
- Road Management Maintenance
- Speed Check Signage
- Illuminated Taxi Sign
- O Transport Refrigeration

- Noise Monitoring Terminal
- Container Cooling Units
- Surface Friction Test Equipment
- Noise Monitoring Terminal
- Traffic Lights



900 Series Circular Power Connectors



- 32A, 600V ac/dc max rating
- O 2, 3, 4, 5, 7 & 10 contacts
- IP66, IP67, IP68 & IP69K protection
- Single or 3 phase applications
- CCC, UL, CSA & VDE approvals

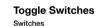
Standard Ethernet

Circular Data Connectors

400 Series Circular Power Connectors

- Ratings up to 8A, 250V ac/dc O 2, 3, 4, 6, 8, 10 & 12 contacts
- IP66, IP67, IP68 & IP69K protection
- Pin or socket, screw thread locking
- CE. UL. CSA & VDE approvals

UL, CSA & VDE approvals Circular Fiber Connectors







Nylon / Metal & Lever options

Quick Connect, Solder, Screw &

IP67 panel seal versions

PCB termination options

Ratings up to 20A, 250Vac - 277Vac



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- Cat5e RJ45 Ethernet Connectors
- Data rates up to 100MHz
- IP66, IP67, IP68 & IP69K protection
- Shielded system
- Noise immunity & EMI protection



4000 Series

Circular Power Connectors

Ratings up to 13A, 600V ac/dc

O 2, 3, 4, 6, 8, 10 & 12 Contacts

Pin or socket, bayonet locking





- 4000, 5000 & 6000 series available
- Simplex & Duplex LC-Type Interface
- Expanded Beam series options
- Flex, Inline, Rear & Front Panel
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks

6000 Series

Circular Power Connectors







- O 2 22 Contacts
- Plastic or Metal Housing
- IP66, IP67, IP68 & IP69K protection
- Secure, quick mating / release
- cULus, UL, VDE Approvals

Rectangular

Rectangular Power Connectors







- Q 2, 3, 4, 6, 8 & 12 Contact Count
- IP68 (with Rear Protection)
- Rated to 13A
- Wedge-locks available for contact retention & alignment

Drones.

Drones, or unmanned aerial vehicles (UAVs), are now deployed across many industries, whether for quick delivery of supplies to photography and data collection. Due to recent strides in navigation, safety, and production costs, the number of drones in operation is quickly multiplying.

Bulgin serves this sector much like it does for more traditional transportation fleets. Vehicles which communicate telematics data for central control and for real-time feedback require the highest standard of sealed, waterproof connectors, able to reliably deliver power and signal under a wide range of extreme conditions.

- Small Package Delivery
- Geographic Mapping & Surveying Equipment ○
- Aerial Photography & Cinematography
- Crop Monitoring
- Search & Rescue Operations

- Emergency Supply Delivery
- Wildlife & Environmental Tracking
- O Infrastructure Inspection & Maintenance
- Crime Scene Analysis
- Tactical Surveillance



M Series

Circular Automation Connectors



- A, B & D Coding Options
- IP67 Protection
- Plastic & Metal Variants
- Overmolded cables PVC & PUR
- Ratings from 1A, 30V ac/dc up to 8A, 250V ac/dc

RF Connectors

RF Interconnects and Adapters



- 50-ohm Impedance
- Insulation resistance >5000 MOhm
- Durability >500 Cycles
- Low Insertion Loss
- Available in Plug or Jack

400 Series SMB

Circular Data Connectors



- 50Ω impedance SMB antenna
- Frequency range 0 4GHz
- IP66, Ip68 & IP69K protection
- Rewireable & pre-wired options
- RG-174 cables

4000 Series

Circular Power Connectors



- Ratings up to 13A, 600V ac/dc
- O 2, 3, 4, 6, 8, 10 & 12 Contacts
- Pin or socket, bayonet locking
- UL. CSA & VDE approvals

4000 Series USB C

Circular Data Connectors



- IP66, IP68 and IP69K rated
- O USB 3.2 supported
- Plug and play capability
- Secure, proven locking system
- Data rates up to 20 Gbps

6000 Series Ethernet

Circular Data Connectors



- 30° twist locking
- Overmolded patchcords
- Supplied with shielded RJ45 plug
- Single or double-end terminated
- Exceeds EIA/TIA Cat 5e

7000 Series

Circular Power Connectors







- Ratings up to 25A, 600V
- 2. 3. 6. 10 & 32 contacts
- IP66, IP67 IP68 & IP69K rated
- Plastic Shells
- cULus, UL & VDE approvals

Power Entry Modules

Power Entry Modules





- Vertical & horizontal arrangement
- Single or double pole variants
- Combinations of IEC inlets/outlets,
- filtered inlets, switches, fuse holders, voltage selectors & indicators available



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



www.bulgin.com

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