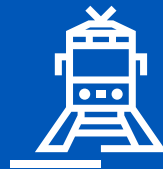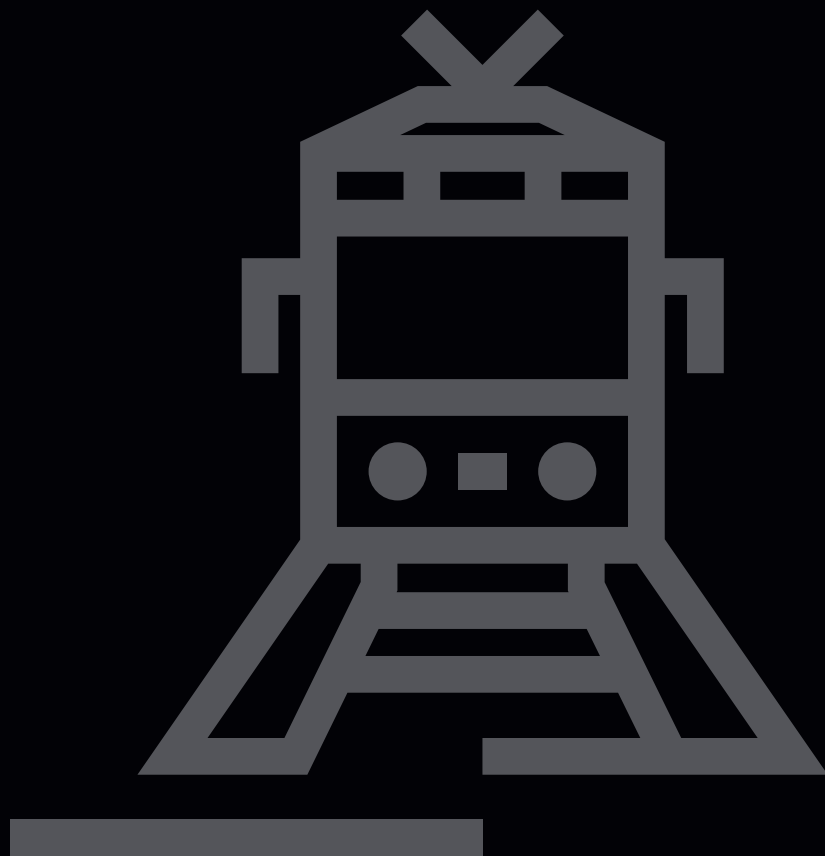# Industry Applications.

bulgin

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

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

Transport & Infrastructure.

With ambient and environmental conditions such as water, moisture and extreme temperatures posing a constant threat to transport and infrastructure applications, reliable and robust solutions are vitally important in this sector.

From outdoor lighting and industrial meters to HVAC systems and surveillance cameras, rest assured that our industry leading solutions are built for maximum reliability and performance to support the challenging needs of various indoor, outdoor and industrial applications.

Lighting.

Bulgin is an industry leader in manufacturing reliable electronic solutions for lighting applications around the world. With ambient and environmental conditions such as water, moisture and extreme temperatures posing a constant threat to the performance of outdoor lighting equipment, secure and 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 and industrial applications, from portable lighting for construction to airport flood lights.

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

- Roadside LED Lighting
- Commercial Lighting
- External Building LED Lighting
- Portable Maintenance LED Lighting
- Airport Flood Lighting
- Sport Venue LED Lighting

Products Related To This Industry:

400 Series
Circular Power Connectors

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

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

4000 Series
Circular Power Connectors

- Ratings up to 13A, 600V ac/dc
- 2, 3, 4, 6, 8, 10 & 12 Contacts
- IP66, IP67, IP68 & IP69K protection
- Pin or socket, bayonet locking
- UL, CSA & VDE approvals

6000 Series
Circular Power Connectors

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

Standard Series
Circular Power Connectors

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

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

Security & Surveillance.

Security systems are at the heart of all transport and infrastructure. With applications such as surveillance cameras constantly operating in some of the world's most challenging outdoor environments, reliable data and 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 and sealed connectivity solutions including field installable connectors and overmolded cable assemblies that can also be customised for your specific design and development needs.

Whether you require secure and 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 and reliable solutions that prevent downtime and minimise maintenance work for applications where security and surveillance are a priority to your operations.

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

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

Products Related To This Industry:

Standard Series
Circular Power Connectors

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

900 Series
Circular Power Connectors

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

4000 Series Fiber
Circular Data Connectors

- Sealed to IP66 IP68 and IP69K
- Secure quick twist (30°) bayonet
- Durable mechanical mating
- Cable range from 5 to 450M
- Flame Retardant moulding material (Polyamide UL94-V0)

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

6000 Series
Circular Power Connectors

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

4000 Micro USB
Circular Data Connectors

- 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
Switches

- High corrosion resistance
- Domed, low & prominent profiles
- IP66 & IP68 sealing versions
- Illuminated & non-illuminated
- Front & rear panel mount versions

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 and industrial meters to indoor HVAC systems, rest assured that our wide range of switches, indicators and waterproof connectors are built for maximum reliability and performance.

- Air Compressor
- Cherry Pickers
- Wireless Load Sensors
- Terrain / Mud Monitoring Systems
- Smart Metering

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

Products Related To This Industry:

Standard Series
Circular Power Connectors

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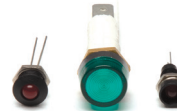- CCC, UL, CSA & VDE approvals

6000 Series USB
Circular Data Connectors

- Secure 30° twist locking mechanism
- Plug & play capability
- IP66, IP67, IP68 & IP69K protection
- Single & double ended PUR cables
- USB V2.0 performance

Indicators
Indicators

- LED, Neon & Filament options
- Panel sealed IP66 & IP67 versions
- Wide choice of bezel sizes & styles
- Multiple termination types
- Rugged stainless steel variants

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

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

Vandal Resistant
Switches

- High corrosion resistance
- Domed, low & prominent profiles
- IP66 & IP68 sealing versions
- Illuminated & non-illuminated
- Front & rear panel mount versions

Toggle Switches
Switches

- Nylon / Metal & Lever options
- Ratings up to 20A, 250Vac - 277Vac
- IP67 panel seal versions
- Quick Connect, Solder, Screw & PCB termination options

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

Transportation.

The world is constantly changing and we help to keep it moving with our connectivity solutions. With more transport links and 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 and high performance solutions that last.

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

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

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

Products Related To This Industry:

900 Series
Circular Power Connectors

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

400 Series
Circular Power Connectors

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

4000 Series
Circular Power Connectors

- ○ Ratings up to 13A, 600V ac/dc
- ○ 2, 3, 4, 6, 8, 10 & 12 Contacts
- ○ IP66, IP67, IP68 & IP69K protection
- ○ Pin or socket, bayonet locking
- ○ UL, CSA & VDE approvals

6000 Series
Circular Power Connectors

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

Standard Ethernet
Circular Data Connectors

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

Toggle Switches
Switches

- ○ Nylon / Metal & Lever options
- ○ Ratings up to 20A, 250Vac - 277Vac
- ○ IP67 panel seal versions
- ○ Quick Connect, Solder, Screw & PCB termination options

4000 Series Fiber
Circular Data Connectors

- ○ Sealed to IP66 IP68 and IP69K
- ○ Secure quick twist (30°) bayonet
- ○ Durable mechanical mating
- ○ Cable range from 5 to 450M
- ○ Flame Retardant moulding material (Polyamide UL94-V0)

Photoelectric Sensor
Sensors

- ○ Sealed to IP67
- ○ Stainless Steel 316 shell
- ○ Detection distance 1 - 40mm
- ○ Light point diameter 5.0mm at 30mm
- ○ Ambient humidity 35 - 85%

Bulgin has you covered.

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

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

bulgin

www.bulgin.com