



# Industry Application Report

*July 2021*



# Vehicle Charge Ports.

With the increase in the production of electric vehicles and new government regulations, the use of Vehicle Charge Ports is on the rise. These ports are usually installed in public parking spaces, private parking lots, houses and offices - but as demand and usage for electric cars increases, so too will the continued infrastructure development required for their accommodated use.

Currently, a range of charging port options include; three-pin plugs, Socketed and Tethered - offering charging times ranging from 8-10 hours, 3-4 hours and even 30-60 minutes with some Socketed or Tethered connection ports. To ensure a secure and sealed connection whilst charging, the 900 Series Buccaneer is used on charging ports providing renewable power to both hybrid and electric cars.

- ⬡ Potential Markets: Marine / Garages
- ⬡ 900 Series Buccaneer is Water & Dustproof to IP68 when mated with compatible connector
- ⬡ 900 Series Buccaneer has a positive fast-acting locking ring - can be turned with a gloved hand



# Products Related To This Industry:



## PX0911 / PXA911

### 900 Series Buccaneer

Flex Cable Connectors. Water and dustproof to IP68 when mated with compatible connector. Positive fast-acting locking ring - can be turned with a gloved hand. Plug or Socket. 2, 3, 4, 5, 7, 10 Pole with leading Earth on 3, 4, 5, 7 Pole versions, trailing Neutral on 5 Pole version. Screw Terminals.



## PX0921 / PXA921

### 900 Series Buccaneer

Flex In-Line Cable Connectors. Water and dustproof to IP68 when mated with compatible connector. Positive fast-acting locking ring - can be turned with a gloved hand. Plug or Socket. 2, 3, 4, 5, 7, 10 Pole with leading Earth on 3, 4, 5, 7 Pole versions, trailing Neutral on 5 Pole version. Screw Terminals.



## PX0931

### 900 Series Buccaneer

Panel Mount Connector. Water and dustproof to IP68 when mated with compatible connector. Positive fast-acting locking ring - can be turned with a gloved hand. Plug or Socket. 2, 3, 4, 5, 7, 10 Pole with leading Earth on 3, 4, 5, 7 Pole versions, trailing Neutral on 5 Pole version. Single hole fitting, anti-rotation key.



## PX0941

### 900 Series Buccaneer

Flange Mount Connector. Water and dustproof to IP68 when mated with compatible connector. Positive fast-acting locking ring - can be turned with a gloved hand. Plug or Socket. 2, 3, 4, 5, 7, 10 Pole with leading Earth on 3, 4, 5, 7 Pole versions, trailing Neutral on 5 Pole version. Supplied with high grade sealing gasket.



# Towel Heater.

Towel Heaters are a convenient solution to keep towels warm and dry. They can be heated electrically or by the flow of hot water through them. These heaters can be made from different metals / materials such as; steel, aluminium, stainless steel, copper or brass.

Towel Heaters can be utilised in commercial areas such as hotels and domestic settings for home usage and usually come in different styles and sizes. The Arcoelectric rocker switch with a cover accessory is ideal for an electric towel rail, making it splash-proof up to IP65.

- ⬡ Potential Markets: Hotels / Domestic
- ⬡ Bulgin Rocker Switches include a choice of single & double pole options in various sizes, colours, terminations, actuator types & ratings up to 16A, 250Vac



# Products Related To This Industry:



## 1250SP / 1250 Series



### Rocker Switches

Rocker Switches. ENEC, UL, CSA approved (approvals and ratings can vary with function - see technical data for details). Single Pole (1250SP Series) and Double Pole (1250 Series) in same body size. High inrush tolerance.



## 8800 Series



### Rocker Switches

Range of ultra thin Rocker Switches. ENEC, UL, CSA approved (approvals and ratings can vary with function - see technical data for details). Single Pole. Curved rocker. Choice of: Termination: 4.8 x 0.8 QC, Solder Tag, PCB mount. Body colour: Black, Red, White. Plus other options available.



## Minature Range



### Rocker Switches

Extensive range of miniature Rocker Switches and matching Indicators. ENEC, UL, CSA approved (approvals and ratings can vary with function. Industry standard panel cut-out. Single Pole (8500, 8503 Series), Double Pole (8550, 8553 Series) and matching Indicator Only (8580 Series) versions all in same body size



## Accessories



### Rocker Switches

Protective covers: L167, L180, L188, G74, G72  
Panel Sealing Washers: W46, W42  
Blanking Plate: A8634FB, A0434, A0494  
Connector Housing: F1344  
Terminal Link: P1067

# Commercial Laundry Equipment.

From washer machines and tumble dryers to finishing equipment and infection control, Commercial Laundry Equipment is used across industries such as; the public sector, healthcare, education, laundrettes, industrial and hospitality. Equipment such as this is set to work under heavy-duty conditions, with an aim to be energy-efficient - thus the quality of electrical components plays an essential role in the efficiency of this equipment.

Finishing tables and press equipment used for commercial-grade laundry markets combine Arcolectric rocker switches and indicators as key controls for functionality.

- ⬡ Potential Markets: Hotels / Leisure
- ⬡ Bulgin Rocker Switches include a choice of single & double pole options in various sizes, colours, terminations, actuator types & ratings up to 16A, 250Vac



# Products Related To This Industry:



## Double Pole Range

### Rocker Switches

Range of Double Pole and 3 Position Selective Rocker Switches. Standard (1550 Series), high inrush tolerant (1350 Series), 3 position selective (1484, 1487 Series) and Indicator Only version (0480 Series). Splash resistant rocker versions available.



## 8800 Series

### Rocker Switches

Range of ultra thin Rocker Switches. ENEC, UL, CSA approved (approvals and ratings can vary with function - see technical data for details). Single Pole. Curved rocker. Choice of: Termination: 4.8 x 0.8 QC, Solder Tag, PCB mount. Body colour: Black, Red, White. Plus other options available.



## Indicator Range

### 6.3x0.8 QC / 4.8x0.8 QC / 2.8x0.8 Tab

Illumination and operating voltage: Neon: 100V-130V, 200V-250V. LED: 2VDC-2.2VDC, 6VDC, 12VDC, 24VDC, 110VAC-230VAC (other voltages available). Filament: 6V, 12V-14V, 24V-28V. Lens colour: Neon, Filament: Red, Amber, Green, Clear. Blue also available to special order. LED: Red, Yellow, Green, White, Blue.



## Square Lens Indicator

### 6.3x0.8 QC / 4.8x0.8 QC / 2.8x0.8 Tab

Illumination and operating voltage: Neon: 100V-130V, 200V-250V. LED: 2VDC-2.2VDC, 6VDC, 12VDC, 24VDC, 110VAC-230VAC (other working voltages available). Filament: 6V, 12V-14V, 24V-28V. Lens colour: Neon, Filament: Red, Amber, Green, Clear. Blue also available to special order. LED: Red, Yellow, Green, White, Blue.



# Commercial Grill.

A Commercial Grill is a heavy-duty cooking device used typically in the hospitality sector. Some of the commercial grill types are Griddle, Charboiler and Outdoor Grill. This kind of equipment is required to work under high temperatures and harsh conditions where oil and other liquids are commonly used.

Therefore, the quality, grade of protection and efficiency of the components are vital for the adequate performance of the devices. Our custom Piezo Switches are essential components for operating commercial grills. They ensure that fast food outlets are able to meet their high levels of demand at all times

- ⬡ Potential Markets: Hospitality / Catering
- ⬡ Bulgin's extensive range of Vandal Resistant security Switches are designed with a high resistance to wear and tear, corrosion and harsh use in potentially hostile environments



# Products Related To This Industry:



## Capacitive Switches

MC16 / 19 / 22 / 25 Series

A range of durable Capacitive Switches. No moving mechanical parts making them extremely durable. Millions of operating cycles. Water and dustproof to IP68, IP69K. Stainless Steel or anodised aluminium. 300mm Flying Leads. Choice of 16mm, 19mm, 22mm & 25mm diameter depending on part code.



## Piezo Switches

MPZ Series

No moving mechanical parts making them extremely durable. Millions of operating cycles. Water and dustproof to IP68, IP69K. Stainless Steel bodies (aluminum body upon request). Vandal resistant. 200mm Flying Leads. Choice of diameter sizes depending on part code: 16mm, 19mm, 22mm.



## MPB Series

Vandal Resistant Switch

Brass Chrome Plated Low Profile Vandal Resistant Push Button Switches. Choice of switch operations, diameters & IP ratings depending on part code. Solder Tag except for MPB037 (Screw Terminal). Where an IP rating is shown, switch is front panel sealed to IP rating given, microswitch is not sealed.



## MP0050 Series

Vandal Resistant Switch

Stainless Steel Large Diameter Vandal Resistant Push Button Switches. Front panel sealed to IP66 (microswitch is not sealed). 32mm diameter. Solder Tag. Choice of Low Profile (MP0050) or Protruding Profile (MP0050/2).





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