Industry Application Report

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bulgin

Solar Water Pump Controller.

The 900 Series Buccaneer is designed into a pump controller providing 3 phase power input into a water pump. The system operates on power generated using solar PV (photovoltaic) system in which the photovoltaic array converts the solar energy into electricity, which is in turn used in the running of the motor pump set.

The pumping system draws water from the open well, bore well, stream, pond, canal etc. in order to stop the system overheating. Meaning that whenever heat is detected, the system pumps the liquid through the system to act as a heat exchanger.

- ⬡ **Potential Markets: Sewerage & Industrial**
- ⬡ **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.

Industrial Robotics.

The Bulgin Ethernet Buccaneer is designed into robotic equipment for industrial automation. With IP66, IP67, IP68 & IP69K ratings, they are particularly ideal for production lines that are prone to dust & liquid build up. From movement signals to diagnostics, the Ethernet Buccaneer is the perfect data connector for production lines prone to dust and liquid. With an increasing demand for automated machines and systems, secure and reliable connections are vital for industrial automation applications where efficiency and uptime is of the utmost importance.

Our waterproof circular connectors are the perfect solution for automation systems such as factory automation, industrial networks and robotics. From movement signals to manufacturing and material handling processes, our robust sealed connector range for power, signal and data perform excellently in harsh environments where moisture, extreme temperatures and vibration are present.

- Potential Markets: Industrial
- Standard Series Ethernet is Water & Dustproof to IP68 when mated with compatible connector
- CAT5e or Cat6a Shielded Coupler - Standard RJ45 Patchcord can be plugged into rear

Products Related To This Industry:

PX0833 / PX0893
Standard Series Ethernet

Front Panel Mounting Connector. Water and dustproof to IP68 when mated with compatible connector. Single hole fixing. Supplied with panel sealing gasket. CAT5e or Cat6a shielded coupler - standard RJ45 patchcord can be plugged into rear. PX0833/E or PX0893/E version has additional Earth wire.

PX0839
Standard Series Ethernet

Rear Panel Mount Connector. Water and dustproof to IP68 when mated with compatible connector. CAT5e shielded socket. Supplied with panel sealing gasket. Choice of Termination. Mates with PX0834, PX0836, PX0837, PX0838 Standard Series Flex Cable Connectors.

PX0834 / PX0894
Standard Series Ethernet

Rewireable Flex Cable Connector. Water and dustproof to IP68 when mated with compatible connector. Supplied with shielded RJ45 plug. PX0834/A & PX0894/A has Cable Glands optimised for PUR jacket cable to maintain CAT5e & Cat6a performance. PX0834/B & PX0894/B can be used with cable 3.5mm-8mm diameter.

PX0870 / PX0890
Standard Series Ethernet

Flanged Mounting Connector. Water and dustproof to IP68 when mated with compatible connector. Supplied with panel sealing gasket and screw sealing washers. CAT5e or Cat6a shielded coupler - standard RJ45 patchcord can be plugged into rear. PX0870/E version has additional Earth wire.

Flow Meter.

A flow meter used in the oil and gas industry for multi-phase flow integrates the 6000 Series Metal Buccaneer to provide power to the equipment. Flow Meters can be used to measure the flow rates of liquid or gas and are available in various configurations and with differing operating principles.

A device for measuring in-situ the velocity of fluid flow in a well, usually one completed for production or injection. Flow Meters commonly consist of a primary device, a transducer and a transmitter all working in unison to measure the flow passing through the system.

⬡   **Potential Markets: Utilities & Refineries**

⬡   **The 6000 Series Buccaneer features a 30 degree push twist lock, making it tamperproof whilst also preventing accidental un-mating**

Products Related To This Industry:

PXP6010 / PXM6010

6000 Series Buccaneer

Flex Cable Connectors. Water and dustproof to IP66, IP68, IP69K when mated with compatible connector. 30 degree push twist locking, tamperproof lock prevents accidental un-mating. Plug or Socket. 2, 3, 8, 16, 22 Pole with leading Earth contact on 3 Pole versions.

PXP6012 / PXM6012

6000 Series Buccaneer

Front Panel Mount Connectors. Water and dustproof to IP66, IP68, IP69K when mated with compatible connector 30 degree push twist locking, tamperproof lock prevents accidental un-mating. Plug or Socket. 2, 3, 8, 16, 22 Pole with leading Earth contact on 3 Pole versions.

PXP6011 / PXM6011

6000 Series Buccaneer

Flex In-Line Cable Connectors. Water and dustproof to IP66, IP68, IP69K when mated with compatible connector 30 degree push twist locking, tamperproof lock prevents accidental un-mating. Plug or Socket. 2, 3, 8, 16, 22 Pole with leading Earth contact on 3 Pole versions.

Popcorn Machine.

With its useful green illumination to indicate actuation, the Arcolectric Green Rocker Switch activates a commercial grade popcorn maker. Commercial popcorn makers can stand anywhere from 2 to several feet high, depending on the volume of popcorn served with the popcorn maker itself usually featuring a see-through box that contains a metal canister with a heating element inside it.

Inside the canister is a layer of oil and a few hundred popcorn kernels. When the heating element is plugged in or put to the "on" position, the oil heats up to 400 to 460 degrees Fahrenheit. The seeds will then begin to pop out of the metal canister and into the box, filling it up.

⬡   **Potential Markets: Amusements & Cinemas**

⬡   **Choice of Switching Circuits including 3 position along with choice of Panel Cut Outs**

⬡   **Push-on, Solder & PCB Terminals options available**

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.

Minature Range
Rocker Switches

Extensive range of minature 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

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.

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