



Industry Application Report

April 2021



Pressure Transmitter.

A Pressure Transmitter or a Pressure Transducer, is a mechanical device that utilises a sensor comprised of a pressure sensitive surface used to measure the overall expansive forces exerted from either gases or fluids. Pressure Transmitters can be manufactured from different materials and can be used within a range of different industry applications such as oil and gas.

The compact 400 Series SMB connector is an essential component for ensuring that pressure transmitters and energy meters are able to collect and provide data critical to their functionality such as differential pressure, flow and heat levels.

- ⬡ Potential Markets: Industrial / Marine
- ⬡ Sealed to IP68 when mated and IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k. 50Ω Impedance SMB connector with a frequency range of 0-4GHz



Products Related To This Industry:



PX0407 / 408 / 409

400 Series SMB

SMB Antennas. Water and dustproof to IP68 when mated with compatible connector. Secure screw thread locking. Built-in half wavelength omnidirectional sealed antenna 90 degree bend (part codes suffixed /90). Straight (no part code suffix). SMB 50 Ohm interface. Choice of frequency bands depending on part code. Mate with PX0414 Panel Mount SMB Connector.



PX0416

400 Series SMB

Pre-Wired Flex SMB Connectors. Water and dustproof to IP68 when mated with compatible connector. Frequency range 0-4GHz. Overmoulded connector supplied with 50 Ohm impedance SMB plug terminated with RG-174 cable in a choice of lengths depending on part code. Mate with PX0414 Panel Connector.



PX0415/1

400 Series SMB

Rewireable SMB Connector. Water and dustproof to IP68 when mated with compatible connector. Frequency range 0-4GHz. Supplied with 50 Ohm impedance SMB plug. For RG-174 cable. 14319 hand crimp tool available separately. Pre-wired connector also available (PX0416). Mate with Panel connector PX0414.



PX0414

400 Series SMB

Front Panel Mount SMB Connector. Water and dustproof to IP68 when mated with compatible connector. Frequency range 0-4GHz. Supplied with 50 Ohm impedance SMB plug terminated with RG-174 cable in a choice of cable lengths depending on part code (U,FL cable version also available on request). Mate with Flex Connectors PX0415, PX0416.



In-flight Entertainment.

In-flight Entertainment, or IFE for short, refers to the variety of entertainment systems available for passengers on most commercial and private airline flights. Stemming from original in-flight entertainment dating back to the 1936 it highlights the need to keep passengers engaged during what can be long durations of time. Many forms of electrical based entertainment are now widely used, these include:

Map Tracking Systems (allowing an audience to view their present location), Audio Entertainment (for the listening of music, podcasts and news reports), Video Entertainment (for the watching of films or TV programmes), Video Games and even Wi-Fi connectivity. Due to its robustness and ease of assembly, the Metal 6000 Series Buccaneer is the ideal component for providing a secure connection within In-flight entertainment televisions for major airlines.

- ⬡ Potential Markets: Automotive / Public Transport
- ⬡ 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.



GPS Marine Equipment.

GPS or Global Positioning System is a 'satellite-based radionavigation' system owned and operated by the United States government and is used across countless applications for the real time positioning and navigation across the globe.

GPS is most commonly found in automotive applications but also play a big role within the Marine industry, with GPS being utilised to aid in critical sea navigation. The Standard Buccaneer is designed into GPS equipment for powering on-board Navigation systems within the marine industry.

⬡ Potential Markets: Transportation / Marine

⬡ These Environmentally Sealed Power Connectors are IP68 & IP69K Rated - setting the gold standard for Dust & Waterproof Circular Connectors



Products Related To This Industry:



PX0736 Series

Standard Series Buccaneer

Water and dustproof to IP68 when mated with compatible connector. Plug or Socket. 2, 3, 4, 6, 7, 9, 12, 25 Pole with leading Earth contact on 3 Pole. Socket versions. Screw, Crimp, Crimp/Solder Terminations depending on part code and number of Poles. Screw contacts supplied fitted, Crimp contacts supplied loose.



PX0730/P Series

Standard Series Buccaneer

Water and dustproof to IP68 when mated with compatible connector. Single hole fixing. Plug or Socket. 2, 3, 4, 6, 7, 9, 12, 25 Pole with leading Earth contact on 3 Pole Socket versions. Screw, Crimp, Crimp/Solder Terminations available depending on part code and number of Poles.



PX0737 Series

Standard Series Buccaneer

Water and dustproof to IP68 when mated with compatible connector. Plug or Socket. 2, 3, 4, 6, 7, 9, 12, 25 Pole with leading Earth contact on 3 Pole Socket versions. Screw, Crimp, Crimp/Solder Terminations available depending on part code and number of Poles. Screw contacts supplied fitted, Crimp contacts supplied loose.



PX0700 Series

Standard Series Buccaneer

Water and dustproof to IP68 when mated with compatible connector. Plug or Socket. 2, 3, 4, 6, 7, 9, 12, 25 Pole with leading Earth contact on 3 Pole Socket versions. Cable acceptance up to 14mm diameter with PVC or PU jackets. PX0734 Sealing Cap available separately to maintain IP rating of unmated connectors.



Coffee Brewer.

Coffee Brewers or Coffee Machines are cooking appliances widely utilised to make a variety of coffee based beverages both commercially and non-commercially. Coffee has been a drink consumed for hundreds of years, however the methods of brewing are much more sophisticated today.

Some restaurants and hotels make use of a range of different electrical and automated machines for large scale brewing. Our Illuminated Vandal Resistant Switches are designed into commercial coffee brewers that are used in high end hotel rooms.

- ⬡ Potential Markets: Hospitality / Domestic Kitchens
- ⬡ 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:



MP0037

Vandal Resistant Switch

Stainless Steel Low Profile Vandal Resistant Push Button Switches. Choice of switch operations, diameters & IP ratings depending on part code. Solder Tag Termination except for MP0037 (Screw Terminal). Where an IP rating is shown, switch is front panel sealed to IP rating given, microswitch is not sealed.



MPI001 Series

Vandal Resistant Switch

22mm diameter bezel. 19.2mm Panel Cutout
Single pole. Push to make tactile (momentary action).
Choice of Termination depending on part code:
/28 - 2.8mm Tab. /TE or /TERM - Screw Terminal.
/RP - Solder Tag. /FL - 300mm Flying Leads; white - switch, red - LED +, black - LED.



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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