



Industry Application Report

December 2020



Uninterruptible Power Supply (UPS).

UPS or Uninterruptible Power Supply is a method of providing power or battery backups to a system that requires a constant flow of power. UPS technology is applicable across a wide variety of differing technological application - offering a level of protection against unwanted power outages that cause disruption to said technologies.

Subject to high current and voltage, the Bulgin FX0419 Fuse holder is an integral aspect of UPS equipment, utilised for the protection of the core network infrastructures from data loss caused by unexpected power disruption.

- ⬡ Potential Markets: Datacoms / Telecoms
- ⬡ Bulgin's extensive range of Fuseholders are designed to give the degree of protection demanded in today's sophisticated electronic equipment



Products Related To This Industry:



FX0419 Series

Fuse Holders

Protection Category PC2 Touchproof Fuseholder. Screw Cap fuse carrier. 6.3mm x 32mm fuse. Panel mount. Panel Sealed to IP68. 6.3 Series Tab Termination.



FX0180 Series

Fuse Holders

Protection Category PC1 In-Line Fuse Holders. Screw Termination. Part codes prefixed FX0385, FX0285, FX0185 are IP66 Sealed. Choice of fuse size depending on part code. Choice of colour depending on part code. Part codes prefixed FX0380, FX0280, FX0180 have 4.8mm diameter cable entry.



FX0454 / FX0455

Fuse Holders

Protection Category PC2 Touchproof Fuseholder. 5mm x 20mm fuse carrier, Screw Cap, Screwdriver Release. 16A 250V Max Rating. Panel mount. Solder Tag Termination. Choice of bezel depending on part code: High Profile Bezel. Choice of Keyway Panel Cutout (FX0454) or 'D' Panel Cutout (FX0455).



FX0460 Series

Fuse Holders

Protection Category PC3 Fuseholder. 5mm x 20mm fuse carrier, Captive Screw Cap, Screwdriver Release. Panel mount. Solder Tag Termination.



MRI Equipment.

MRI (or Magnetic Resonance Imaging) utilises a technological method of non-invasive imagery production through the use of powerful magnets. When producing a strong magnetic field, an MRI scanner interacts with protons in such a way as to produce a three dimensional image of the targeted area.

Such a technology has a strong presence within medical applications for the detection and monitoring of diseases - emphasising the critical need for stable medical equipment such as MRI Scanners. The Bulgin 7000 series Buccaneer connector is able to meet the demand of such a task.

- ⬡ Potential Markets: Medical Equipment / Medical Equipment
- ⬡ The Bulgin 7000 Series Buccaneer range combine an easy to use quick bayonet coupling mechanism with proven environmental sealing for signal and mains power



Products Related To This Industry:



PXP7010 / PXM7010

7000 Series Buccaneer

Water and dustproof to IP66, IP68, IP69K when mated. 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. Choice of body material depending on part code: Plastic body (part codes prefixed PXP). Metal body (part codes prefixed PXM).



PXP7011 / PXM7011

7000 Series Buccaneer

Water and dustproof to IP66, IP68, IP69K when mated. Quick turn locking ring with less than quarter turn locking and positive feedback. Plug or Socket. 2, 3, 6, 10, 32 Pole with leading Earth contact on 3 Pole. Choice of body material depending on part code: Plastic body (part codes prefixed PXP). Metal body (part codes prefixed PXM).



PXP7012 / PXM7012

7000 Series Buccaneer

Water and dustproof to IP66, IP68, IP69K when mated with compatible connector. Quick turn locking ring with less than quarter turn locking and positive feedback. Plug or Socket. 2, 3, 6, 10, 32 Pole with leading Earth contact on 3 Pole. Choice of body material depending on part code.



Sealing Caps

7000 Series Buccaneer

Sealing Caps for PXP7000 Series Plastic Body Power Connectors and PXM7000 Series Metal Body Power Connectors. Maintain IP Rating of unmated connectors.



Cleaning Robot.

Cleaning Robots come in all shapes and sizes and cover a range of different applications within the industry of electrical robotics. A recent commercial trend of home vacuum robotics has revolutionised home cleaning through automation technology.

One such belt driven cleaning robot inspects air conditioning ducts and vents, previously inaccessible by conventional cleaning methods - combining both Bulgin Vandal Switches and Standard Buccaneer connectors onto the control device.

- ⬡ Potential Markets: Kitchens / Commercial
- ⬡ Bulgin's range of vandal resistant switches are designed with a high resistance to wear and tear
- ⬡ Tried and tested, the Standard Buccaneer is one of our most popular waterproof connectors



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.



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.



Network Encryption Equipment.

Network Encryption is a method of laying levels of security to the transfer of data, through encoding information into alternative forms upon sending. The same data is then decoded back to its original form when received. The higher the level of needed encryption, the higher the specification level of the equipment required.

This technology is vital for any networking application requiring a high level of security to stop unwanted data interception. One area requiring more of a demand of such systems is within military applications - the Bulgin Battery Holder proved to be up for the challenge and was integrated into the mobile network security devices utilised for outdoor use in a variety of military systems.

⬡ Potential Markets: Military / Oil & Gas

⬡ Manufactured from quality moulding and metal components to ensure a secure and reliable connection, Bulgin's battery holder range caters for battery sizes: AAA(R03), AA(R6), C(R14), D(R20) and PP3(6R61), accommodating 1, 2, 3 or 4 cells



Products Related To This Industry:



BX0011/1

Battery Holders

AA/R6 Flanged Panel Mount Battery Holders For 1-3 Cells (Bayonet Cap With Coin Slot). Panel Mount Battery Holder. Solder Tags. Bayonet/Screwdriver release. -30°C to +70°C Operating Temperature. UL94V-0 Flammability Rating. RoHS Compliant. Number of battery cells: BX0011/1, BX0012/1 & BX0013/1.



BXS/ 011 / 012 / 013/1

Battery Holders

AA/R6 Sealed Flanged Panel Mount Battery Holders For 1-3 Cells. IP67 Rated. Panel Mount Battery Holder. Front Panel Sealed to IP67 - Dust & Waterproof. Solder Tag. Bayonet Cap with Finger/Coin Release. -30°C to +70°C Operating Temperature. UL94V-0 Flammability Rating.



BXS/ 001 / 002 / 003/1

Battery Holders

C/R14 Sealed Panel Mount Battery Holders For 1-3 Cells, IP67 Rated. Panel Mount Battery Holder. Front Panel. Sealed to IP67 - Dust & Waterproof. Solder Tag. Screw Cap with Finger Release. -30°C to +70°C Operating Temperature. UL94V-0 Flammability Rating.



BXS / 016 / 017 / 018

Battery Holders

D/R20 Sealed Flanged Panel Mount Battery Holders For 1-3 Cells. IP67 Rated. Panel Mount Battery Holder. Front Panel Sealed to IP67 - Dust & Waterproof. Solder Tag. Bayonet Cap with Finger Release. -30°C to +70°C Operating Temperature. UL94V-0 Flammability Rating.



Air Compressor.

An Air Compressor is a device used to convert power from a range of sources (electrical or fuel-based) into energy in the form of pressurised or compressed air, which is stored in varying quantities for later use. The stored compressed gas can be used within a wide range of different applications that utilise the kinetic energy of the expulsion of the compressed gas.

Typically used on construction and building sites, the Arcoelectric 1300 Rocker Switch has been used on air compression machines - which with the added benefit of being splash resistant, meets the demands for such equipment across a range of different environments.

- ⬡ Potential Markets: Construction / Industrial Processes
- ⬡ The Bulgin 1500 & 1300 switch range are capable of reaching in excess of 300K cycles
- ⬡ Two Colour Softline Rocker with choice of Red, White insert (1500 Series and 1300 Series only)



Products Related To This Industry:



1300 Series

Rocker Switches

Range of Single Pole Rocker Switches. Standard (1500 Series), high inrush tolerant (1300 Series) and Indicator Only version (0430 Series). Splash resistant rocker versions available. ENEC, UL, CSA approved (some approvals do not apply to some Termination types). Approvals and ratings can vary with function.



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



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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