Distribution box aviation plug socket



Overview

CN104678522A The invention discloses an aviation plug distributing box which comprises a shell, wherein an accommodation cavity is formed inside the shell.

Key Takeaways

Distribution boxes with aviation sockets provide robust, flexible, and safe power distribution for industrial, stage, and outdoor applications.

Overview

Distribution boxes with aviation sockets are specialized power distribution units designed to deliver electricity safely in demanding environments. They are commonly used in industrial sites, live events, stage setups, and outdoor installations where multiple high-power devices need reliable connections. Aviation sockets are preferred for their secure locking mechanism, durability, and resistance to environmental factors.

Key Features

Protection and Durability: Many boxes are rated IP44 to IP67, offering protection against water, dust, and mechanical impacts. Materials include military-grade aluminum alloy or heavy-duty thermoplastics, resistant to corrosion, UV, oils, and extreme temperatures from -30°C to +80°C. Socket Configuration: Aviation sockets range from 16A to 200A, supporting single-phase or three-phase five-wire systems.

Some boxes allow rotating socket modules for flexible cable management. Safety Features: Advanced models include dual-level leakage protection, overload automatic power-off, and visual voltage/current displays. Certain units integrate IoT modules for remote monitoring of electricity consumption.

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Portability and Modularity: Many boxes are stackable, lightweight, and equipped with handles or locking buckles, making them suitable for mobile setups or fixed installations. Customization: Suppliers offer customized boxes with multiple aviation sockets, leakage protection, and specific IP ratings to meet project requirements.

Applications

Stage and Event Power Distribution: Powering lighting matrices, audio equipment, and special effects devices in concerts or exhibitions. Industrial and Construction Sites: Providing stable power to machinery, tools, and temporary installations. Hazardous Environments: ATEX and IECEx certified boxes are suitable for gas or dust-prone areas, ensuring safe operation in oil, petrochemical, and aviation industries.

Example Products

Exposed Straight Industrial Socket Box: Splash-proof, impact-resistant, suitable for exhibitions and live events, with feed-through capability for multiple boxes. IP67 Stage Aviation Socket Box: Fully sealed, anodized aluminum, supports high-power loads, and features rotating socket modules for flexible connections.

SA POWERNET E

X Splitter Box: Modular, stackable, ATEX/IECEx certified, compact, and portable for hazardous industrial environments. These distribution boxes combine robust construction, safety, and flexibility, making them ideal for professional applications where reliable power distribution is critical.

Article Content

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The invention discloses an aviation plug distributing box which comprises a shell, wherein an accommodation cavity is formed inside the shell; a plurality of first through holes for fixing...

Site essentials! industrial electrical maintenance mobile socket box ...

It''s not just got aviation plugs; it also comes equipped with both second- and third-level electrical box configurations. it''s practically the "swiss army knife" of the electrical industry! whether

Aviation connector,waterproof electrical connectors,Signal connector ...

Our Company supplies round waterproof connectors (plugs for aviation), air-tight connectors, heavy-duty connectors, and industrial waterproof plugs and sockets, distribution boxes, harnesses in conformity

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Three-phase electric waterproof 3/4/5 core 16A32A male and female head to industrial aviation plug socket connector. 1:We are a professional manufacturer

The “Triple Magic” of PHLTD Aviation Socket Plugs in Avionics ...

Whether it''s charging a passenger''s mobile phone or powering a crew member''s office equipment, PHLTD aviation plugs and sockets can provide stable and reliable power support, filling every corner

Exposed Straight Industrial Socket 5 Hole 16A Single

Exposed Straight Industrial Socket 5 Hole 16A Single Phase 220v Distribution Box with Aviation Explosion Proof IP44 Waterproof Description PE Industrial Portable

Hazardous Plugs and Socket Boxes Atex

Ex plug and socket boxes (enclosures) are designed specifically for cabinets in Atex or hazardous zones 1, 2, 21 y 22, and temperature class T6/T5 areas. Plugs and socket-outlets with integrated switch,

Five-Hole Waterproof Industrial Aviation Plug Socket

Five-Hole Waterproof Industrial Aviation Plug Socket Multifunctional 10A European Style European Standard 2-Core 16A, Find Details and Price about Enclosure

HRMD92 Explosion proof Distribution Box (Ex d llB+H2)

Warom Explosion proof Distribution Box (Ex d llB+H2) in 316 stainless steel. Available with a wide range of built in components.

Aviation connector,waterproof electrical connectors,Signal connector ...

Connectorworld Technologies focuses on marketing and custom services of all kind of waterproof connectors solutions. we offer high standards of round waterproof connectors (plugs for aviation), air

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Socket distribution box Manufacturer, Industrial Plugs, Industrial ...

Socket distribution box Supplier, Industrial Plugs, Industrial Sockets Manufacturers/ Suppliers - Yueqing Beigang Electric Co., Ltd.

Explosion Protection Products | Terminals | Control

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Control equipment for panel mounting Control systems and distribution boards Safety switches Plugs and sockets Plugs and sockets Plug connectors

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Phltd IP65-16A Waterproof Industrial Plug Socket

Three-phase electric waterproof 3/4/5 core 16A32A male and female head to industrial aviation plug socket connector 1:We are a professional manufacturer of

Site essentials! industrial electrical maintenance mobile socket box ...

This industrial electrical maintenance mobile socket box really makes me scream! It''s not just got aviation plugs; it also comes equipped with both second- and third-level electrical box

Portable Socket Distribution Box IP67 Industrial Socket Box Plastic ...

Description Portable Socket Distribution Box IP67 Product overview Easy to carry, provide flexible power output Implementation standard: DINVDE0623 IEC60309-2 Protection level: IEC60529 IP67 Click to

Electric Box Plug and Socket Distribution Box Industrial

Product Description Product Description Yueqing Beigang Industrial Socket Distribution Box is an electrical distribution device that adopts a plug-in method,

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Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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