

Article Overview

A PS flame-retardant distribution box is an electrical enclosure made from fire-resistant materials, designed to safely distribute electricity while preventing fire hazards.

Overview

PS flame-retardant distribution boxes are essential components in electrical systems, providing safe and efficient power distribution for residential, commercial, and industrial applications . They are constructed from fire-resistant PS (polystyrene) or similar refractory materials, capable of withstanding high temperatures up to 650°C for 30 seconds, which helps prevent the spread of fire and protects circuits from overloads or short circuits .

Key Features

- o Fire Resistance: Made from flame-retardant materials that stop fire propagation and maintain structural integrity under high heat .
- o Electrical Safety: Equipped with overload, short-circuit, and ground fault protection to safeguard both the system and connected devices .
- o Durable Construction: High-quality insulation and corrosion-resistant materials ensure long-term reliability and safe operation .
- o Transparent Covers: Some models include transparent covers for easy monitoring of cable connections and maintenance .
- o Versatile Installation: Can be mounted on DIN rails, in power distribution cabinets, or as standalone units, suitable for various industrial and domestic setups .

Technical Specifications

- o Channels and Current Ratings: Typically 1-4 channels rated at 50A, and 6-18 channels rated at 63A .
- o Protection Class: IP30, providing basic protection against dust and accidental contact .
- o Standards Compliance: Conforms to IEC 60439-3 and IEC 60529 standards for fire protection and heat resistance .
- o Wire Entry: Removable holes and grinding blocks allow flexible wiring and easy installation .

Applications

PS flame-retardant distribution boxes are widely used in:

- o Residential Buildings: For safe distribution of electricity to multiple circuits.

Distribution box PS flame retardant

- o Commercial and Industrial Facilities: Protecting sensitive equipment and ensuring operational safety.
- o High-Risk Environments: Some models are designed to be explosion-proof and provide additional impact resistance .

Advantages

- o Reduces fire risk in electrical installations.
 - o Enhances system reliability and safety.
 - o Simplifies maintenance with transparent covers and modular design.
 - o Compatible with various installation methods and electrical configurations.
- In summary, a PS flame-retardant distribution box combines fire-resistant materials, robust electrical safety features, and versatile installation options, making it a reliable choice for protecting electrical systems in diverse environments .

Explosion-proof lighting distribution boxes and cabinets come in a variety of models. They vary in terms of materials,

ABS, PC Material: Made of ABS, PC material, the distribution box is wear resistance, impact resistance, flame retardant, and high

Outdoor distribution box is a kind of box according to component model, specification, quantitydesign assemble type outdoor rain

din power distribution can be made with a flame-retardant PA66 shell. This engineering

A fire can cause catastrophic damage to electrical systems and pose life-threatening risks.

Key Features Durable Material: Made from premium-grade flame-retardant ABS or PC materials with excellent impact resistance.

PC HOUSING: The junction box uses flame retardant PC shell with high temperature resistance, corrosion resistance and good

FLAME RETARDANT: The shell and mounting plate are made of PC flame retardant material, ensuring the safety while using

Fire rated Enclosures Available in aluminium or stainless steel, these enclosures are fully flame retardant and offer incredible

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Farbe: Weiß; Schutzgrad IEC60529: IP30 Feuerbeständigkeit und
Anomaliewiderstandsfähigkeit IEC60529-1 Standard, 650°C/30

ABS and PC Build for Longevity: Constructed from high-quality ABS and PC materials, this distribution box features excellent wear,

I. Use of wood materials without fire-retardant treatment Consequences: lighting explosion-proof

An ordinary distribution board may generate heat and sparks due to heavy usage. Thus, the

Tinned copper or aluminum block allows for copper or aluminum conductor direct connections, or using

Distribution Protection Box The enclosure of this product is made of flame-retardant material, while the transparent cover is made of

Product Description [DURABLE &] Crafted from high quality flame retardant material this distribution box offers enhanced sealing

Web: <https://bssoda.pl>

