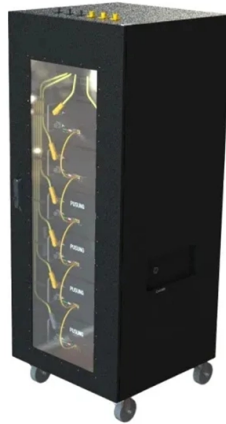


Manufacturer of Explosion-proof Distribution Boxes for Industrial Use



Overview

Explosion-Proof Distribution Boxes for Hazardous AreasI design distribution boxes so every circuit is accessible for testing without breaching the explosio.

Key Takeaways

Leading brands for explosion-proof distribution boxes include Pepperl+Fuchs, Extol International, Ex Industries, R. STAHL, and Supermec, offering ATEX, IECEx, and UL-certified solutions for hazardous industrial environments.Key Brands and Product Series

1. Pepperl+Fuchs Pepperl+Fuchs provides Ex d (flameproof) and Ex tb (dust-protected) terminal and junction boxes suitable for Zones 1, 2, 21, 22, and Class I/II Division 1 hazardous areas. Their product lines include:

- EJB Series: Aluminum enclosures, IP66/IP67, operating down to -60°C, customizable terminals and cable entries.
- EJBX Series: Stainless steel enclosures for highly corrosive environments, IP66/IP67, suitable for extreme temperatures.



- GUB Series: Aluminum enclosures for Gas Group IIC applications, designed for chemical, offshore, and petrochemical industries . 2. Extol International Extol offers explosion-proof distribution boards and control panels with ATEX certification, suitable for Zone 1 (21) and Zone 2 (22) hazardous areas. Materials include stainless steel, aluminum, GRP, and sheet steel, with IP42 to IP66 protection ratings. Their Ex d / Ex'de designs are flameproof and available in multiple sizes for indoor and outdoor applications . 3. Ex Industries Ex Industries supplies a wide range of explosion-proof enclosures, junction boxes, and control panels, supporting brands like Adalet, Appleton, and Crouse-Hinds. Their products are designed to contain internal explosions and prevent ignition of surrounding flammable gases or dust, suitable for industrial, chemical, and offshore applications . 4. R. STAHL

- STAHL specializes in custom-made and standard terminal boxes for hazardous areas worldwide. Their products are certified for global installation standards and can be tailored for specific industrial requirements, ensuring safe energy distribution in explosive atmospheres . 5. Supermec Supermec provides ATEX-certified junction boxes and enclosures for chemical, petrochemical, and offshore industries. Key series include:

- EJB A Series: Aluminum enclosures for power distribution and monitoring.

- EJB S Series: Stainless steel enclosures for highly corrosive environments.

- CSD Series: Ex d enclosures for chemical and offshore applications.

- GUB A Series: Aluminum enclosures for hazardous atmospheres with gas and combustible dust .

Considerations for Industrial Use

- Certifications: Ensure ATEX, IECEx, or UL compliance for your specific hazardous zone.

- Material: Aluminum for lightweight corrosion resistance, stainless steel for extreme environments, GRP for chemical resistance.

- Protection Rating: IP66/IP67 for dust and water ingress protection.

- Customization: Modular designs allow tailored terminal arrangements, cable entries, and optional viewing windows.

- Temperature Range: Some series operate down to -60°C, suitable for extreme industrial conditions. These brands and series provide reliable, certified solutions for safe power and signal distribution in hazardous industrial environments, including oil and gas, chemical processing, offshore platforms, and marine applications.

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

