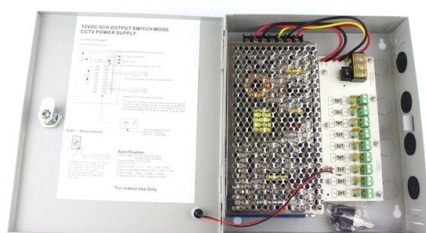


RIVO MULTITRADE OPTICAL SYSTEMS

Explosion-proof box distribution box plug



Overview

Boxes Conduit Outlet Box with Multiple Hubs, Explosion-Proof, Dust-Ignitionproof, Malleable Iron, Unilet, GRSS Box with Cover. Includes: Hazardous Location.

Key Takeaways

Explosion-proof distribution boxes with integrated plugs provide safe power distribution in hazardous environments, certified to ATEX and IECEx standards. Key Features

Explosion-proof distribution boxes are designed for hazardous areas where flammable gases, vapors, or dust may be present. They typically include:

- Integrated explosion-proof plugs and sockets for safe connection of electrical equipment .
 - Built-in transformers and fuses to manage voltage and protect circuits .
 - Durable enclosures made from materials like 316 stainless steel, aluminum, or glass fiber reinforced polyester (GRP), offering high mechanical strength, corrosion resistance, and temperature tolerance .
 - Flameproof joints and specialized hinges to prevent damage during operation and prolong service life .
 - Customizable internal components such as terminal blocks, cable glands, and accessories to meet specific project requirements .
- Certifications and Standards

These distribution boxes are certified for use in explosive atmospheres:

- ATEX 94/9/EC Directive compliance for European hazardous zones .
- IECEx certification for international safety standards .
- Suitable for Zone 1, Zone 2, Zone 21, and Zone 22 hazardous areas, or Class I and Class II, Division 2 environments .
- High protection ratings such as IP66 or NEMA Type 4X, ensuring resistance to dust, water, and harsh industrial conditions .

Applications

Explosion-proof distribution boxes with plugs are widely used in:

- Petrochemical and oil & gas industries for pipelines, refineries, and offshore platforms .
- Medical machinery and food processing where hygiene and safety are critical .
- Precision electronics, aerospace, and military ships requiring reliable power distribution in hazardous conditions .
- Engineering projects worldwide, including LNG facilities, ethylene plants, and international petroleum projects .

Advantages

- Enhanced safety by preventing sparks or arcs in explosive atmospheres.
- Portability and flexibility with integrated plugs and transformers.
- Long service life due to robust materials and flameproof design.
- Customizable configurations to suit specific industrial needs. These features make explosion-proof distribution boxes with plugs an essential component for safe and reliable electrical distribution in hazardous environments.

Article Content

Explosion Proof Equipment Malaysia | Junction Box | Cable Gland

IEP Malaysia provides explosion proof junction box, explosion proof cable gland, and other equipment to help minimize the risk of

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

