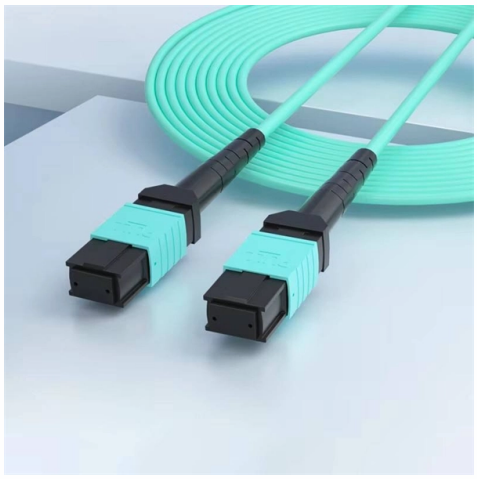
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Explosion-proof lighting and power distribution box model



Overview

Model And Specification Of Explosion-Proof Distribution BoxExplosion-proof lighting distribution boxes and cabinets come in a variety of models. They vary.

Key Takeaways

Explosion-proof lighting and power distribution boxes, such as BXM, BXD, and BXJ series, are designed for safe operation in hazardous environments with various models, voltage ratings, and installation options.Overview

Explosion-proof distribution boxes are low-voltage power distribution devices that integrate switchgear, measuring instruments, protective devices, and auxiliary equipment in a sealed or semi-sealed metal cabinet. They are designed to prevent sparks from igniting explosive gases, ensuring safety in environments like petroleum, chemical, mining, and industrial facilities . These boxes are suitable for IIA, IIB, and IIC explosive gas environments and flammable sites .

Common Models and Series
• BXM, BXD, BXJ: Widely used for lighting and power distribution in hazardous areas, including marine platforms, chemical tankers, and LNG vessels. Certified for Zones 1, 2, 21, and 22, these models are robust against moisture, vibration, and corrosion .

• GCK, GCS, MNS: Low-voltage withdrawable switchgear cabinets.

• GGD, GDH, PGL: Low-voltage fixed switchgear cabinets.

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• XZW: Comprehensive distribution box.

• ZBW: Box-type substation.

• XL, GXL: Low-voltage distribution cabinets and construction site boxes.

• XF: Electrical control boxes.

• PZ20, PZ30: Terminal lighting distribution boxes.

• PZ40, XDD(R): Electric metering boxes.

• PXT(R)K-X/X-X/X-X/X-IPX: Surface-mounted or concealed distribution boxes with customizable rated current and short-time withstand current .

Specifications and Features

• Voltage Ratings: Typically 220V or 380V.

• Current Ratings: Range from 60A to 250A or higher, depending on model .

• Installation Methods: Vertical, hanging, concealed, or exposed; outdoor models can include rain covers. IP ratings such as IP65 or IP66 are available for dust and water protection .

• Materials: Metal or flame-retardant plastic for durability and safety.

• Safety Features: High protection level, visual display of circuit conduction, manual or automatic switching, alarms for abnormal operation, and easy maintenance .

• Standards Compliance: GB/T3836.1, GB/T3836.31, and international explosion-proof certifications .

Applications

Explosion-proof distribution boxes are used in railway, power, metallurgy, petroleum, petrochemical, chemical, iron and steel, aviation, ships, and large-scale industrial facilities. They ensure safe energy distribution, circuit management, and protection against accidental explosions in hazardous environments .

Summary

When selecting an explosion-proof lighting and power distribution box, consider the model series (BXM, BXD, BXJ, etc.), voltage and current ratings, installation type, IP protection level, and compliance with explosion-proof standards. These factors ensure reliable performance, safety, and suitability for specific industrial or hazardous applications.

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Article Content

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

BXM (D) Explosion proof Lighting (Power) Distribution Box

Reliable explosion-proof lighting power distribution boxes that are shock-resistant, durable, energy-efficient, and certified for various

Explosion-proof illumination (power) distribution box_Explosion-proof ...

Adopting the patented technology of the combined explosion-proof distribution box independently developed by the company, the

XD (M)58 Explosion-Proof Distribution Box for Lighting & Power

With robust explosion-proof structure and flexible internal configuration, the BXM (D)58 series ensures safe and reliable operation in

BXM (D)8050 Explosion proof Distribution Boxes

Warom Explosion proof Distribution Boxes. Modular GRP construction fitted with a variety of optional

BXM (D, X)

Explosion-proof box body and cover are both equipped with protective sealing strips, providing strong protection; The product adopts

Explosion-proof illumination (power) distribution box (power ...

The modular combination between the cavities, the explosion-proof chambers are not connected to each other, reducing the net

Bxm (D) 220/380V 60-250A Explosion-Proof Lighting

Bxm (D) 220/380V 60-250A Explosion-Proof Lighting (Power) Distribution Box Explosion-Proof Power

Explosion-Proof Distribution Boxes & Panels

An explosion-proof distribution box is a rugged enclosure for hazardous areas, safely delivering power

BXM (D)8050 Explosion proof Distribution Boxes

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Explosion Proof Control Panel

Explosion-proof Control Panel and Junction Box Explosion Proof Control Panels for Hazardous Area Applications As a professional

BXM (D)51 Series Explosion proof Distribution Boxes Lighting/Power

Explosion proof Distribution Boxes for Lighting or Power . Modular enclosures with optional components.

Distribution Boxes

Inatex is pleased to announce the release of the HRT97 Series IECEx explosion-proof LED floodlight, a

Explosion-Proof Junction Boxes | Class I Div 1/2 Rated

Network and communication equipment Power distribution junctions Why Do Electricians

Explosion Proof Enclosures

Ex-Proof & Flameproof Junction Boxes & Enclosures Supermec ATEX Junction Box & Enclosures are designed to satisfy most of our

explosion proof light box-Explosion Proof Electric

BXM8050 Explosion proof and anticorrosive lighting distribution box This series of products have good

Explosionproof stainless steel lighting (power) distribution box

This series of products have good explosion-proof function, suitable for IIA, IIB, IIC explosive gas environment and various flammable

Dust Explosion-proof Power Distribution Panel

Dust explosion-proof power distribution panel, adopting different instruments and program control modules

Explosion Proof Electrical Equipment, ATEX Lighting | Supermec

We are an industry leader and a manufacturer of the complete range of ATEX lighting & IECEx compliant explosion-proof electrical

Explosion Proof Panel

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Ex DB, the whole name of explosion proof distribution box, is actual explosion proof panel function to distribute the power from filed

Explosion Proof Distribution Box & Electrical Enclosures

Durable Hexlon Explosion Proof Distribution Boxes and Electrical Enclosures, IECEx and ATEX certified for Zone 1 and Zone 2.

Explosion proof Distribution Boxes HLDP03-M Malaysia

Explosion proof Distribution Boxes HLDP03-M Malaysia Zone 1 and Zone 2 Zone 21 and Zone 22 Meet the necessities in the

Explosion Proof Power Distribution Boxes CE92

Flameproof and explosion proof, these power overhaul distribution boxes are suitable for use in hazardous areas. Specs: Ex mark:

Flameproof Distribution Board | Explosion proof Distribution Boards

A flameproof distribution board is an electrical control panel which is specifically designed to be used in high-risk environments.

Explosion Proof Electrical Enclosures Factory/Manufacturers,

All related electrical devices can be put inside a flame proof or increased safety enclosure for low-voltage power distribution and

PowerPlus EXD Explosionproof Power Panelboards

Crouse-Hinds series PowerPlus panelboards provide premium factory sealed and value non-factory sealed solutions for the

Control panels | Distribution boards | Ex | Ex d | Ex de | ATEX ...

Tailor-made solutions for distributing power in hazardous areas R. STAHL''s system solutions allow electrical energy to be safely

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EXPLOSION PROOF ENCLOSURES

Explosion-Proof Panel Boards CXJ-FC - Lighting & Power Distribution Explosion-Proof Motor Control XNAS/XRAS - Across the Line

Explosionproof Panelboards – AdaletEnclosures

We also offer a variety of explosion proof fittings, accessories, and instrument and meter housings – all at a

PowerPlus EPL Explosionproof Lighting and Heat Tracing Panelboards

Crouse-Hinds series PowerPlus panelboards provide premium factory sealed and value non-factory sealed solutions for the

Explosion-Proof Junction Boxes | Class I Div 1/2 Rated (2026)

Network and communication equipment Power distribution junctions Why Do Electricians and Engineers Need

Explosion Proof Enclosures

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explosion proof light box-Explosion Proof Electric Appliance-Ouhui Lighting

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BXM (D)81 Explosion proof Distribution Boxes Lighting

Internal wiring to the terminal is complete. International brand of terminal used. Copper-free aluminium

BXM(D)8050 Series Explosion Proof Lighting

A well-designed compartmentalized layout of Explosion-proof lighting (power) distribution boxes, clear

Appleton™ PlexPower™ Series Factory Sealed Panelboards

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They are ideal for use on lighting, heat trace and power circuits. This PlexPower series features a ground-breaking design that uses

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