

# Class II Explosion-proof Distribution Box



## Article Overview

A Class II Explosion-proof Distribution Box is a certified enclosure designed to safely contain electrical components in dust-hazardous environments, preventing internal sparks or explosions from igniting surrounding combustible dust.

### Overview

Class II explosion-proof distribution boxes are engineered for hazardous areas where combustible dust is present, such as grain processing, chemical plants, or pharmaceutical facilities. They are designed to contain internal explosions and prevent ignition of surrounding dust, ensuring both personnel and equipment safety . These enclosures are suitable for Class II, Division 1 hazardous locations, and often meet ATEX, IECEx, UL, and NEMA standards .

### Construction and Materials

These boxes are typically made from stainless steel, aluminum, or glass-reinforced polyester (GRP), providing high corrosion resistance, mechanical strength, and durability in extreme conditions . The enclosures are designed to withstand high impact, temperature fluctuations, and environmental stress, making them suitable for offshore, marine, and industrial applications .

### Design Features

- Flameproof (Ex d) or dust-protected (Ex tb) designs to prevent sparks or flames from escaping ....

## Article Content

Sep 09, 2025

Terminal boxes | Junction boxes | Ex | Ex e | Ex d

Safely conduct, connect and distribute energy in hazardous areas with R. STAHL's terminal boxes. We

Jul 01, 2026

Explosion Proof Enclosures for Hazardous Zones & NEMA Ratings

Conclusion Industrial facilities use Explosion Proof Enclosures, IS cabinet boxes or other types of pressurized purged enclosures to

Jan 09, 2026

ATEX & IECEx Certified Enclosures

Bison Profab manufactures Class 1 Division 1 and Class 1 Division 2 enclosures that are commonly used in hazardous, explosive

Sep 22, 2025

Exd Panel or DB | Industrial Electrical Solutions | IEP Malaysia

Switch-racks or explosion proof distribution board are mechanically assembled on robust frame with various fixing solutions (ground,

Sep 12, 2025

Hazardous Location Enclosures | nVent HOFFMAN

Protect electrical controls in Division 1 or Zone 1 areas with flameproof - and explosion-proof enclosures Reduce costs for large

May 30, 2026

Explosion Proof Junction Box Types, Prices

Learn about explosion proof junction boxes—pricing, sizes, certifications, and installation

Sep 14, 2025

PowerPlus EXD Explosionproof Panelboards | Crouse-Hinds series

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

May 13, 2026

## Class II, Div 1 and 2, Group E, F, G Hazardous Location Electrical Boxes

When it comes to Class II, Div 1 and 2, Group E, F, G Hazardous Location Electrical Boxes, you can count on Grainger. Supplies

Sep 02, 2025

## Explosion Proof Distribution Box & Electrical Enclosures

Choose our explosion-proof solutions, choose safety. Durable Hexlon Explosion Proof Distribution Boxes and Electrical Enclosures,

Feb 16, 2026

## BXM (D)8050 Explosion proof Distribution Boxes Lighting / Power

BXM (D)8050 Explosion proof Distribution Boxes Lighting / Power Explosion protection to -CENELEC -IEC -NEC Can be used in

Aug 25, 2025

## D1xJ2 Class I/II Div 1 Ex d Junction Box 1-25-025

The D1xJ2 is a versatile UL, cUL, IECEx & ATEX approved explosion proof junction box. The robust IP66 corrosion proof

Oct 10, 2025

## Ex Junction Boxes and Atex Enclosures · Atex Delvalle

Our Atex Delvalle's Ex junction boxes and large enclosures are flameproof and prepared for use them in explosive atmospheres

Jul 31, 2025

## Crouse-Hinds series EJB Explosionproof Enclosures catalog page

ISpacing dimensions for Group B boxes are based on use of EYS11-EYS101 sealing fitting in conduit. Conduit seals are required in

Apr 13, 2026

## Hazardous Location Electrical Boxes | McMaster-Carr

Choose from our selection of hazardous location electrical boxes, including outlet boxes and covers, weatherproof outlet boxes and

Jun 24, 2026

## Distribution Boxes HRMD96 Series Explosion-proof Distribution Panels

·Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box,

Apr 22, 2026

### Explosion-Proof & Flameproof Enclosures | EX Industries

Explore EX Industries' certified explosion-proof and flameproof enclosures, ensuring safety and compliance

Nov 30, 2025

### Custom ATEX & Explosion-Proof Enclosures | Zone 1/2 & Class I Div 1 ...

Weimiao provides project-based ATEX & IECEx explosion-proof enclosures for hazardous areas. Custom enclosures for oil, gas,

Apr 17, 2026

### 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:

Nov 29, 2025

### Terminal and Junction Boxes (Ex d) | Explosion Protection

These sturdy solutions are certified according to global standards such as ATEX, IECEx, UL, and others, making them suitable for

Jan 23, 2026

### HRMD92 Explosion proof Distribution Box (Ex d IIB+H2)

Equipped with a specialised hinge structure which can prevent damage to the flameproof joints when

Sep 11, 2025

### Top 3 Facts About Explosion Proof Distribution Box & Electrical

Explosion Proof Distribution Box & Electrical Enclosures are certified for Class I, Division 1 and Class II, Division 1. You

Feb 13, 2026

### Hazardous Location Enclosures | nVent HOFFMAN

Choose from an extensive line of enclosures to protect electrical components in environments subject to potentially hazardous

Jan 16, 2026

### Explosion protective components & systems | Products | ABB

Explosion protective components & systems From its global facilities ABB manufactures a wide range of ATEX, IECEx, UL, CSA

Jan 28, 2026

Power Distribution Systems | Explosion Protected | R. STAHL

Evolution in Power Distribution For decades, the only explosion protection technology available in North America was the cast metal

Mar 26, 2026

Control Panels & Distribution Boards

Control Panels | atex & ieceX Explosion Proof & Hazardous Area Zone 1 & Zone 2 Thorne & Derrick International, based in the UK,

Aug 04, 2025

Explosion-Proof Distribution Box

The distribution box (explosion-proof) is an aluminum alloy housing, electrostatic spraying, in accordance with the

Sep 21, 2025

EJB-UL empty enclosure

Description Explosion proof and flameproof enclosures BARTEC B or EJB-UL series are designed to be installed in industrial plants,

May 05, 2026

Ex-Junction boxes and terminal enclosures ATEX

Stainless steel Ex terminal boxes – HARDO Stainless steel Ex terminal boxes of the Polish company HARDO, are available at a

Feb 11, 2026

Terminal and Junction Boxes (Ex e, Ex i, Ex op)

They are certified in accordance with international explosion protection standards such as ATEX, IECEx,

Oct 21, 2025

Ex Junction Boxes and Atex Enclosures · Atex Delvalle

Our explosion protection Ex enclosures and equipment are comprehensive and widely configurable. Reliable in use and convenient

Sep 10, 2025

## Explosion-Proof & Flameproof Enclosures | EX Industries

Enclosures Class I, Division 1 Enclosures (class 1, division 1) and Class II, Division 1 Enclosures (class 2, division 1 ) Explosion-proof

Feb 08, 2026

## Explosion-Proof Distribution Boxes & Panels Manufacturer

The explosion-proof distribution box safely delivers power in hazardous zones (oil, gas, chemical plants) with rugged, spark-resistant

May 05, 2026

## EJBA Flameproof IEC Ex d Enclosures | Zone 1, 2, 21, 22 | Eaton

Crouse-Hinds series EJBA enclosures provide IEC Ex d flameproof protection in Zones 1, 2, 21 and 22 hazardous areas. EJBA

Nov 27, 2025

## HRMD92 Explosion proof Distribution Box (Ex d IIB+H2)

HRMD92 Explosion proof Distribution Box Explosion protection to – IEC – CENELEC – NEC Can be used in Zone 1 and Zone 2

May 16, 2026

800-WP003A-EN-P.fm

Factory Mutual (FM) Research Corporation Approval Standard, Explosion-proof Electrical Equipment, Class Number 3615, sets forth

Dec 05, 2025

## Hazardous Area Enclosures, Ex-rated | Abtech

Hazardous Area Enclosures We have a wide range of enclosures to suit all types of hazardous locations on the planet. Available in

Jul 03, 2026

## Explosion Proof Control Panel Enclosure Factory, Hazardous Location ...

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

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: [sales@chromadecksigns-eastrand.co.za](mailto:sales@chromadecksigns-eastrand.co.za)

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

