

Dimensions and Specifications of a Level 3 Distribution Box



Article Overview

A Level 3 distribution box is a robust low-voltage enclosure designed for industrial or commercial applications, typically featuring reinforced metal construction, IP-rated protection, and standardized internal busbar and isolator arrangements.

Physical Dimensions and Construction

Level 3 distribution boxes are generally constructed from high-strength cold-rolled steel (Q195) or glass-reinforced plastic for durability and corrosion resistance . Typical dimensions vary depending on the number of ways and KVA rating, but for medium-capacity boxes (e.g., 160–315 KVA), approximate dimensions are:

- Height: 800–1200 mm
 - Width: 600–1000 mm
 - Depth: 300–500 mm
- The enclosure often includes metal bottom boxes, reinforced corners, and anti-corrosion treatment for long-term indoor use . Doors are hinged on both sides with secure locking mechanisms, sometimes including tamper-proof screws .

Internal Layout and Components

A Level 3 distribution box typically contains:

- Phase busbars: EC grade aluminum, e.g., 72×50×8 mm for 63/100 KVA and 120×...

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TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

L.T. DISTRIBUTION BOX FOR 100KVA 33/0.4 KV Transformer (3 phase, 200A) 1. DESCRIPTION OF MATERIALS:-The L.T.

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Distribution Box

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty

DISTRIBUTION BOX

Technical Specification for Distribution Box (DB)- Accessory for LT AB Cables 1.
SCOPE 1.1 This Distribution Box (DB) should be

Requirements And Specifications For Installation Of Distribution Boxes ...

In flammable and explosive environments, explosion-proof distribution boxes should be selected and explosion-proof

DISTRIBUTION BOXES

Provide high-density polyethylene drop or distribution box with holes punched suitable to receive locking seals. The box shall be

The Ultimate Guide to Distribution Box Types

Discover the key types of distribution boxes with NUOMAK's comprehensive guide. Learn about Main Distribution Boards (MDB),

DISTRIBUTION BOXES

DISTRIBUTION BOX INSTALLATION INSTRUCTIONS AND SPECIFICATIONS: Provide high-density polyethylene drop or

Outdoor Electrical Distribution Box Specifications: NEC

Complete specification guide for outdoor electrical distribution boxes covering NEC Article

What Is a Distribution Box?

What to Look for When Choosing a Distribution Box If you're going to buy a distribution box, there are several things

Distribution Boxes Technical Data

DC Micro Style Distribution Boxes Four-pin, One Signal per Port Cable Connector Distribution Box Eight-port DC Micro Distribution

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

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