

# Thickness of iron distribution box body



## Overview

According to national standards, the wall thickness of the low-voltage distribution box should not be less than 1.5mm, and the metal auxiliary pole should be 1.2mm.

## Key Takeaways

The body of an iron distribution box is typically made from cold-rolled steel with a thickness ranging from 0.8 mm to 1.5 mm, depending on the model and application.

## Material and Construction

Iron distribution boxes are generally constructed from high-quality cold-rolled steel plates (SPCC/DC01 or higher), which are formed through stamping and welding to create a robust and durable enclosure. This material provides high mechanical strength, resistance to deformation, and reliable protection for internal electrical components.

## Typical Thickness

Standard indoor boxes: Usually 0.8 mm to 1.2 mm, sufficient for supporting internal components and providing basic protection.

Outdoor or heavy-duty boxes: Often 1.2 mm to 1.5 mm or more, to enhance impact resistance, corrosion protection, and weatherproofing.

Custom orders: Many manufacturers allow specifying the exact thickness when ordering, for example, a JXF series box can be ordered with 1.0 mm thickness or other values according to user requirements.



## Additional Considerations

Surface treatment: Electrostatic powder coating or anti-corrosion treatments are applied to improve durability and weather resistance. Protection level: Thickness contributes to the overall IP rating and mechanical protection; thicker steel enhances resistance to external impacts and deformation. Compatibility: Standardized thickness ensures compatibility with modular components, DIN rails, and mounting hardware.

In summary, the iron distribution box body thickness is generally between 0.8 mm and 1.5 mm, with the exact value chosen based on installation environment, load requirements, and protection needs.

Manufacturers often allow customization to meet specific project requirements.

## Article Content

Standard thickness of iron distribution boxes

According to national standards, the wall thickness of the low-voltage distribution box should not be less than 1.5mm, and the metal auxiliary pole should be 1.2mm.

JXF Series Power Distribution Box

JXF Series Power Distribution Box product is box assembled with various control functions by customer-selected components, and there are many box sizes and specifications and the size of

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION Metal distribution boxes JXF Description: Supplied with a special lock, metal plate for fixing of electrical devices, lid for the input-output conductors, grounded dowel pin,

China Durable Iron Distribution Box Manufacturer

The box body is made of high-strength iron plate, featuring a stable structure and strong protection. The surface of the box has anti-rust and anti-corrosion treatment and is suitable for indoor places.

National Standard Thickness Of Distribution Box Box Body

According to national standards, the wall thickness of the low-voltage distribution box should not be less than 1.5mm, and the metal auxiliary pole should be 1.2mm.

National standard distribution box body thickness

Different types and uses of distribution boxes may have slightly different standard requirements, but overall, a box body thickness of 1.5mm or more meets national standards.

#### METAL DISTRIBUTION BOARD JXF 40/50/20 | ELMARK

METAL DISTRIBUTION BOARD JXF 40/50/20 brand ELMARK with 3+2 warranty. Check out and the other products in the category Metal distribution boards.

#### Standard thickness of iron distribution boxes

Standard for the thickness of distribution boxes under national regulations According to national standards, the wall thickness of the low-voltage distribution box should not be less than 1.5mm, and

Metal Distribution Box, MDB Series, Sieben Group Co., Ltd.

Application MDB series metal distribution boxes are designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial

What is the thickness of the sheet metal for the electrical ...

The thickness of the sheet metal, for the electrical distribution box cabinet usually has the following regulations: Switch box\*\*: The thickness of the steel plate of the box body shall not be

#### NEC Rules for Pull Boxes, Junction Boxes, and Conduit Bodies

One key point is that on straight pulls the box or conduit body length must be at least eight times the trade size of the raceway. For angle pulls, U pulls, and splices, the distance between each raceway

What are the criteria for selecting the thickness of the sheet metal ...

The criteria for selecting the thickness of the sheet metal for the electrical distribution box cabinet are mainly based on the following aspects: ### Type and Purpose of the Electrical

Size determination, installation method and wiring mode of distribution ...

The distribution box is the central hub of the home circuit and the general control of our daily power consumption. It is an indispensable electrical equipment. If there are some potential safety hazards,

#### TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

KV 1. DESCRIPTION OF MATERIALS:- The L.T. Distribution Cabinets shall be installed on D.P. Structure for Plinth Mounted 33/.4 KV Substation of the ratings indicated above. These Distribution

## Distribution Box

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty industrial hinges IP66 protection rating against dust and water according

Iron Material Customized 3 Phase 12 Way Power

MDB-1 Series Three Phase Metal Distribution Box Application MDB-1 series three phase distribution box has been designed for safe, reliable distribution and

Thickness of Metal | UpCodes

Sheet steel boxes with a volume up to 1650 cm<sup>3</sup> must have a minimum thickness of 1.59 mm. Malleable iron and certain cast metal boxes require a thickness of at least 2.38 mm, while other cast metals

How to determine the size, installation method and wiring mode of ...

9) The wood brick and iron parts needed for the installation of the distribution board need to be buried in advance, and the exposed distribution box should be fixed with metal expansion bolts. The wiring

## Contact Us

Continue your research online:

Website: <https://ensaa.es>

Technical inquiry: <https://ensaa.es/contact.html>

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

