

L-type distribution box



Article Overview

An L-type distribution box is a compact, modular power distribution unit designed for industrial or building automation, featuring L-coded connectors for safe and standardized electrical connections.

Overview

An L-type distribution box is used to safely distribute electrical power from a single input to multiple outputs in a structured and reliable manner. These boxes are commonly found in industrial automation, Fieldbus systems, PROFINET networks, and building automation projects. The "L-type" designation refers to the L-coded M12 connectors, which ensure correct pin assignment and compatibility with modern industrial power systems, preventing misconnection and supporting high-current applications .

Design and Features

- **Connector Configuration:** Typically, L-type boxes feature a male input and multiple female outputs (e.g., 1-in, 5-out or 1-in, 8-out), allowing parallel powering of multiple devices .
- **Power Handling:** These boxes can handle currents up to 16 A and voltages up to 24-63 V DC, depending on the model .
- **Passive Operation:** Many L-type boxes are fully passive, meaning the input is directly connected to the outputs without intermediate electronics, simplifying installation and reducing failure points .
- **LED Indicators:** Some models include LEDs to indicate power status on each chan...

Article Content

Feb 11, 2026

Lauritz Knudsen (Formerly L& T Switchgear) Distribution

Shop for Lauritz Knudsen (Formerly L& T Switchgear) single & double door Distribution Boards online at

Aug 31, 2025

Power Distribution Box

Find here Power Distribution Box, electric distribution box manufacturers, suppliers &

Sep 20, 2025

ABB Low voltage distribution system

ABB Low voltage distribution system offers safe and reliable distribution based on InLine ZLBM fuse switch disconnecter. It's a full

Feb 17, 2026

Distribution box

Yet the distribution box is a highly complex component that not only ensures safe power distribution, but is also responsible for

Jan 17, 2026

Google Scholar

Google Scholar provides a simple way to broadly search for scholarly literature. Search across a wide variety of disciplines and

Jul 31, 2025

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

Feb 06, 2026

Distribution Boxes Types - The Complete Guide

The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes

Jul 10, 2026

Distribution Box Guide: Types, Components & Solutions

It distributes power to different devices and systems. The primary role of the power

Dec 02, 2025

L.T. Distribution Box Specification

L.T. Distribution Box Specification The document provides specifications for low voltage distribution boxes used with distribution

Oct 12, 2025

What are the classifications of distribution boxes?

The distribution box is classified according to the structural features and purposes:

(1) Fixed panel type switch cabinet, often called

Jun 13, 2026

LT Distribution Box

Find here LT Distribution Box, LT Distribution Board manufacturers, suppliers & exporters in India. Get contact details &

Dec 07, 2025

Complete Guide For Distribution Boxes Types

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the

Jul 28, 2025

Distribution Boxes Technical Data

Mating Components and Accessories ... Replace x with 1 [1 m (3.28 ft)], 2 [2 m (6.56 ft)], 3 [3 m (9.84 ft)], 5 [5 m (16.40 ft)], or 10 [10

Jul 20, 2026

Electrical Control Panels & Distribution Boxes: Sizes, Types, and ...

Electrical control panels and distribution boxes are the backbone of modern electrical systems. From powering homes

Sep 21, 2025

LBOX-600 System Distribution Box

For the typical requirements of room automation projects with reoccurring segments, the hardware

Jun 28, 2026

Distribution boxes – For modular and decentralized

Modular enclosure system for individual power distribution solutions and a broad product range for signal

Nov 18, 2025

The Ultimate Guide to Distribution Box Types

Discover the key types of distribution boxes with NUOMAK's comprehensive guide. Learn about Main

Jul 20, 2026

LT Distribution Box Manufacturers

An electrical distribution box is a part of an electrical system whose function is to distribute electrical energy. It includes distribution,

Jul 13, 2026

Distribution Box

Amphenol LTW's distribution boxes facilitate efficient cable management, easy installation with pre-wired configuration, and provides

May 10, 2026

Wiring of the Distribution Board with RCD (Single Phase Home Supply)

Wiring Accessories for Single Phase Distribution Board Main Distribution Board or Fuse Boards (Consumer Unit) usually contains on

Dec 06, 2025

Distribution Boards

Kabeldon distribution boards are specifically designed for outdoor installations and they come as pre-assembled systems, ready to

Mar 01, 2026

Distribution Box vs Control Box vs Junction Box: Key

Learn the differences between distribution boxes, control boxes, and junction boxes.

Oct 13, 2025

Distribution Box: Types and Functions | Axis-Electricals

A distribution box ensures that electrical supply is distributed in the building, also known as a distribution board, panel board, breaker

Jul 13, 2026

Product Introduction : M12 Passive Distribution Box L

Featuring one M12 L-coded male input and five M12 L-coded female outputs, this junction

Oct 08, 2025

NEMA Enclosures

The weatherproof electrical cabinets, also known as power distribution boxes from L-com are UL67-listed power cabinets that accept

Jul 07, 2026

ArTu L Distribution switchboards

The ArTu distribution switchboards are enriched by the new L series for applications up to 630A, which widens the ABB offer in the

Jun 27, 2026

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

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

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.

