

## Class 8 Level 2 Distribution Box



### Overview

Portable Power Distribution Units & Boxes| LEX ProductsThe Bento Box® is the smallest most portable power distribution pack in its class. This Bento Box® s.

### Key Takeaways

A Class 8 Level 2 Distribution Box is a modular, industrial-grade enclosure designed for decentralized power, data, and signal distribution, compliant with IEC 61439 standards.Overview

Class 8 Level 2 distribution boxes are used in industrial automation and building management systems to distribute power and signals efficiently to sensors, actuators, and control devices. They are typically modular and customizable, allowing for flexible installation in suspended ceilings, raised floors, or control panels . These boxes can accommodate both passive and active components, depending on the application.

#### Key Features

- Connector Types: Commonly use M8, M12, or coded plug connectors for easy, error-free connections .
- Protection Ratings: Often rated IP65 or IP67, ensuring dust and water resistance for harsh industrial environments .
- Power Handling: Can carry currents up to 16 A at 24 V DC/48 V DC per channel in passive configurations .
- Indicators: Integrated LEDs for channel status monitoring simplify troubleshooting .

- Compliance: Designed according to IEC 61439, ensuring safety and standardization in electrical installations .

#### Installation and Use

- Decentralized Layout: These boxes allow for shorter cable runs and faster installation, reducing commissioning time .
- Pre-assembled Options: Many distribution boxes come with pre-wired supply and return lines, minimizing on-site wiring errors .
- Customizable Configurations: Tailored solutions can include residual current circuit breakers, miniature circuit breakers, and socket outlets for specific applications .
- Passive vs Active: Passive boxes, like the EP9208-1035, connect inputs and outputs directly without intermediate electronics, ideal for simple power distribution .

#### Applications

- Industrial automation systems for sensor and actuator networks.
- Building automation and room-level control systems.
- Hazardous area installations when combined with ATEX or IECEx certified enclosures .
- Integration with EtherCAT or other fieldbus systems for modular and scalable automation . Class 8 Level 2 distribution boxes provide a reliable, space-saving, and flexible solution for modern industrial and building automation, ensuring efficient power and signal distribution while simplifying installation and maintenance.

## Article Content

### 8 Module IP65 Distribution Board GARO

This IP rated fuse board is made from halogen-free materials and long-lasting thermoplastic material, which gives the distribution box

#### Altronix Products

Altronix PD8ULCB UL Listed Sub-Assembly power distribution module is designed to convert a single AC or DC input into eight (8)

#### Distribution Boxes Technical Data

Topic DC Micro Style Distribution Boxes Four-pin, One Signal per Port Cable Connector Distribution Four-pin, Two Signals per Port

## Contact Us

Continue your research online:

Website: <https://thegalleryselfcatering.co.za>

Technical inquiry: <https://thegalleryselfcatering.co.za/contact.html>

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

