

Monaco Wall-Mounted Distribution Box Specifications



Overview

Discover what ODF is in telecom—types (rack-mount, wall-mount), features, and how it differs from patch panels.

Key Takeaways

The Monaco XL-21 wall-mounted distribution box is an indoor low-voltage cabinet designed for single- and three-phase systems, with a compact steel enclosure, front-opening door, and IEC-compliant protection.

The XL-21 type distribution cabinet is an indoor, wall-mounted, single-sided front-opening device suitable for industrial, commercial, and institutional applications such as schools, government buildings, and civil structures. It is designed for easy maintenance with a front door that exposes all internal equipment when opened, allowing convenient access to circuit breakers, fuses, contactors, and thermal relays for inspection or replacement.

Construction and Materials

- Enclosure Material: Bent steel plates with welded angle steel for structural integrity.
- Front Door: Can be equipped with operation buttons, indicator lights, and display instruments.
- Grounding: Both the door and enclosure include grounding screws to ensure reliable grounding connection.

- Mounting: Wall-mounted with internal mounting channels or suitable suspension accessories for secure installation .

Electrical Specifications

- System Compatibility: Single-phase and three-phase systems (IT, TN-C, TT)
- Frequency: 50Hz to 60Hz
- Load Current: Up to 630A
- Voltage Rating: Up to 500V
- Circuit Protection: Air circuit breakers and fuses; optional contactors and thermal relays
- Switching: Knife switch handle can be installed on the front right side for power disconnection and connection operations .

Operating Environment

- Ambient Temperature: -5°C to +40°C (24-hour average not exceeding +36°C)
- Altitude: Up to 2000 meters
- Relative Humidity: Maximum 50% at +40°C; higher humidity allowed at lower temperatures (e.g., 90% at +20°C)
- Installation Conditions: Should be free from severe vibration, impact, and corrosive environments; tilt angle relative to vertical should not exceed 5° .

Protection and Standards

- Protection Level: Complies with IEC 60439-1 and GB7251.1 standards
- Safety Features: Door and enclosure grounding, proper insulation, and secure mounting for safe operation .

Dimensions and Layout

- Structure: Compact, welded steel construction with a front-opening door
- Internal Layout: Flexible circuit scheme combinations, allowing installation of breakers, fuses, relays, and other control devices
- Maintenance Access: Full exposure of internal components when the door is opened for easy servicing . The Monaco XL-21 wall-mounted distribution box is a versatile, robust solution for low-voltage power distribution, offering reliable protection, easy maintenance, and compliance with international standards. It is suitable for a wide range of applications requiring safe and organized electrical distribution.

Article Content

Monaco Network Electronic Distribution Frame Type

Discover what ODF is in telecom—types (rack-mount, wall-mount), features, and how it differs from patch panels. Essential for fiber

Monaco Wire and Cable Distribution Box

The Monaco RV Electrical Wiring Diagram provides a detailed overview of the electrical system layout for Monaco RVs. With clear

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.

