

# RIVO MULTITRADE OPTICAL SYSTEMS

## Southern European Standard Distribution Box Model



### Overview

European Standard Distribution Enclosures: Custom DIN Rail Discover how E-abel designs European standard distribution enclosures with modular DIN rail layout.

### Key Takeaways

The Southern European standard distribution box typically features an 80mm diameter, 55mm depth enclosure with modular DIN rail layout, IP-rated protection, and compliance with EN 60670 and IEC 61439 standards.

**Dimensions and Form Factor:** Standard concealed distribution boxes in Southern Europe generally have a circular base with 80mm diameter and 55mm depth, designed for flush wall installation behind plaster or drywall, aligning with EN 60670-1 and EN 60670-22 standards to ensure compatibility with standardized sockets and switches across EU countries . **Material Composition:** High-quality boxes use medical-grade PVC or reinforced thermoplastics, providing resistance to moisture, thermal expansion, and chemical degradation. This ensures long-term durability in humid environments such as kitchens, bathrooms, or coastal areas. Flame-retardant ratings (UL 94 V-0) and non-corrosive properties are standard for safety compliance . **Internal Layout:** Most models feature a modular DIN rail system, allowing easy installation of MCBs, RCDs, and other protection devices. The DIN rail layout supports clean internal arrangement, faster component integration, and future expansion . **Protection and Sealing:** Distribution boxes are rated according to the IP code system (IEC 60529), providing dust and water ingress protection suitable for the intended environment. Typical residential boxes achieve IP44 or higher for wet locations . **Compliance and Standards:** These boxes comply with EN 60670, IEC 61439, and other relevant European standards, ensuring safe and standardized installation. ATEX-rated enclosures are available for hazardous areas, meeting EC Directive 94/9/EC requirements . **Practical Features:** Many models include transparent doors for quick inspection, hinged covers with locking mechanisms for maintenance, and standardized terminal layouts for busbars, neutral, and earth connections. This design facilitates safe, tidy, and accessible installations . **Applications:** Southern European standard distribution boxes are used in residential, commercial, and light industrial settings, supporting both centralized and decentralized electrical installations. They are suitable for smart building integration, energy distribution, and signal/data management . In summary, the Southern European standard distribution box is a compact, durable, and modular solution designed for safe, compliant, and efficient electrical installations, with features tailored to local building practices and environmental conditions.

## Article Content

### European Type Cable Distribution Box | Power Distribution Equipment

The box has a double swing door and busbar connection. It is compact and features a clear cable arrangement with a three-core

### GB-distribution boxes and enclosures

The GB-terminal box, both distribution box and empty enclosure, is manufactured of high impact resistance, glass-fibre reinforced

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

