

RIVO MULTITRADE OPTICAL SYSTEMS

8-position distribution box specifications



Network Cabinet & Rack

Overview

HT-8 Waterproof Distribution Box | 8 Way IP65 Side HT-8 waterproof distribution box with 8 circuits, IP65 protection, and side-opening 8 Position Distribut.

Key Takeaways

An 8-position distribution box is an electrical enclosure designed to split a single power supply into eight separate circuits, featuring modular construction, secure connections, and protection for residential, commercial, or industrial use. General Description

An 8-position distribution box serves as a central hub for distributing electrical power to multiple circuits. It typically includes input terminals for the main power supply and eight output terminals, each capable of feeding a distinct load such as lights, sensors, HVAC components, or machinery. These boxes help organize wiring, reduce clutter, and minimize fault risks.

Construction and Materials

- Enclosure Material: High thermal stability plastic or metal, with operating temperatures ranging from -25°C to 100°C for plastic variants.
- Durability: Many models comply with CE, RoHS, IK, and HF standards.
- Protection: IP65 or higher ingress protection is recommended for outdoor or industrial environments.

- Design: Modular design allows for easy installation and expansion, often with DIN rail mounting for MCBs or RCDs .

Electrical Features

- Number of Positions/Slots: 8 positions for output circuits; some distributor boxes may have 4 slots with multiple positions per slot .
- Connection Methods: Screw-type terminals, spring clamp terminals, or pluggable screw connections (180°) for master cables .
- Status Indicators: Some models include PNP status displays for diagnostics .
- Circuit Protection: Space for fuses, miniature circuit breakers (MCBs), or residual current devices (RCDs) depending on the model .
- Coding and Slot Assignment: Certain industrial distributor boxes use coded connectors (e.g., coding A) and single-slot assignments for organized wiring .

Installation and Safety

- Mounting: Surface-mounted or flush-mounted depending on application requirements .
- Cable Management: Observe permissible bending radii to maintain protection; unused slots should be sealed prior to commissioning .
- Quick Assembly: Some models feature fast locking systems (e.g., SPEEDCON) and connector hoods for on-site assembly .
- Mechanical Load Reduction: Use cable ties or supports to reduce stress on connectors .

Applications

- Residential and light commercial electrical distribution .
- Industrial automation and control systems .
- Outdoor lighting networks, solar farms, and agricultural systems .

Optional Features

- Modular enclosures for easy expansion .
 - Patented designs for improved thermal stability and efficiency .
 - Clear labeling for circuits to enhance maintenance and diagnostics .
- In summary, an 8-position distribution box provides a safe, organized, and scalable solution for distributing electrical power across multiple circuits, with options for modularity, protection, and diagnostic features suitable for a wide range of applications .

Article Content

8portFiberDistributionBox 8 p

awing Product Description The 8 port Fiber Distribution Box is sturdy in structure, lightweight in . ize, and easy to

8"x14' Distribution Vault 3325-SDG&E

Precast electrical vaults, also referred to as splice boxes and switchgear vaults, are the industry"s leading product choice to protect

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

