

Prices of various switches for construction site electrical distribution boxes

Article Overview

Switches in construction site distribution boxes typically range from \$10 to \$150 per unit, depending on type, rating, and pre-assembly features.

Typical Switch Types and Price Ranges

o Miniature Circuit Breakers (MCBs) and Fused Switches

o Used for branch circuit protection in distribution boxes.

o Prices generally range from \$10 to \$50 per switch, depending on current rating (e.g., 10A-63A) and brand.

o Pre-assembled units in combination boxes may cost more due to integrated wiring and safety features .

o Main Disconnect Switches

o Installed as the primary on/off control for the distribution box.

o Prices range from \$50 to \$150, depending on amperage (e.g., 60A-100A), voltage rating, and enclosure type (metal or thermoplastic), .

o Socket Combination Boxes with Integrated Switches

o These include pre-wired sockets and circuit protection modules.

o Fully assembled units with multiple sockets and breakers can cost \$80-\$200, depending on the number of outlets, IP rating (IP44-IP65), and materials used .

o Individual Switches for Modular Panels

o Single gang switches, fused connection units, or indicator switches for construction panels are available from suppliers like Sparks Direct.

o Prices for these smaller switches typically range from \$10 to \$30 per unit, depending on features such as power indicators or surge protection .

Factors Affecting Costs

o Current and Voltage Rating: Higher-rated switches for heavy-duty construction equipment cost more.

o Enclosure Material: Metal or fiberglass enclosures with higher IP/IK ratings increase the overall cost.

o Pre-Wiring and Assembly: Pre-wired distribution boxes with integrated switches and sockets are more expensive than empty enclosures.

o Brand and Certification: Certified products (ETL, IEC, CE) and reputable brands command higher prices.

o Quantity and Supplier: Bulk orders or industrial suppliers may offer discounts compared to retail prices.

Summary



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For a typical construction site electrical distribution box:

- o Individual switches: \$10-\$50
- o Main disconnect switches: \$50-\$150
- o Fully assembled combination boxes with switches: \$80-\$200 These prices provide a practical range for budgeting and procurement, with variations depending on specifications, safety certifications, and supplier options .

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