

Article Overview

Power distribution box switches in South Africa include MCBs, RCCBs, RCBOs, and switch-disconnectors, available from leading suppliers like Schneider Electric, CEDSA, Onesto Africa, Crabtree, and Henelec.

Types of Switches and Distribution Boxes

Switch-disconnectors are designed to safely isolate electrical circuits and are available in ratings from 50 A up to 2500 A, suitable for both residential and industrial applications. Schneider Electric's ComPact INS/INV range offers reliable isolation, compatibility with MasterPact and ComPact circuit breakers, and options for remote monitoring via Smart Panels . Fuse switch-disconnectors and electronic monitoring devices provide additional protection against short circuits and overloads. MCBs (Miniature Circuit Breakers), RCCBs (Residual Current Circuit Breakers), and RCBOs (Residual Current Breaker with Overcurrent protection) are commonly used in South African distribution boxes for circuit protection. These modular devices are available in single-phase and three-phase configurations, with enclosures made from plastic, steel, or stainless steel, often waterproof for outdoor or industrial use .

Suppliers and Brands

- o CEDSA supplies a wide range of low-voltage electrical products, including distribution boxes, switches, and automation solutions, representing brands like ABB, TOSUNlux, Horizon, Stone Stamcor, and Uniclamp .
- o Schneider Electric South Africa provides ComPact and MasterPact switch-disconnectors, optimized for safety, efficiency, and digital connectivity .
- o Onesto Africa offers modular devices, wall switches, sockets, and DC-rated products for photovoltaic systems, with options for British, European, and American standards .
- o Crabtree manufactures locally and distributes switches and sockets nationwide, focusing on low-voltage infrastructure .
- o Henelec Switchboards specializes in custom distribution boards, motor control centers, enclosures, and electrical kiosks, with surface-mounted, flush-mounted, and floor-standing options .

Installation and Customization

Distribution boxes can be surface-mounted, flush-mounted, or floor-standing, with single or double door configurations. Custom designs are available to accommodate specific electrical setups, including motor starters, transformers, and inverter panels. Many suppliers provide technical support, panel-building services, and guidance for safe and efficient installation .

Key Considerations



South African power distribution box switch

When selecting a power distribution box switch in South Africa, consider:

- o Current rating (50 A to 2500 A depending on application)
 - o Type of protection (MCB, RCCB, RCBO, or switch-disconnector)
 - o Phase configuration (single-phase or three-phase)
 - o Enclosure material and IP rating for environmental protection
 - o Compatibility with existing switchgear and accessories
 - o Supplier support and availability of technical assistance
- These factors ensure safe, reliable, and efficient power distribution for residential, commercial, or industrial installations.

Onesto Africa, a veteran electrical product manufacturer, is dedicated to delivering quality-assured products tailored for power

Schneider Electric South Africa. Browse our products and documents for Distribution Box - Mini Pragma - Modular electrical

Understand your Distribution Board (DB) The Distribution Board (DB) in South African homes serves as a pivotal juncture where the

Schneider Electric South Africa. Discover our range of products in Distribution Panels Conext SW PDP, Conext XW+ PDP, Conext

Power Process Systems is an enclosure and electrical distribution equipment manufacturer. We have a

Distribution Board Components Before we dive into wiring practices, let's understand the key components

Contact someone in your area and get talking about South Africa's go-to switches and sockets. Crabtree

Whether you order electrical distribution boards, kiosks, boxes, circuit breakers or OEM spec'd LV switchgear from our stock or from

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Henelec Switchboards specializes in the manufacturing of power switching products and related

Through the MCB phase lines are distributed to electrical wiring for lighting, fixed devices, and power



South African power distribution box switch

distribution

Allbro is a South African manufacturer with more than 800 employees and 20 000 sqm of production facility

Distribution Boards and Kiosks Even the most electrically challenged of us know where the distribution

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Electrical Distribution Switches Optimize your solution with field-proven, high performance switch disconnectors. By adapting to a

Switchboard Group designs, manufactures, and installs Electrical Boards across Southern Africa and abroad. We offer a one-stop

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