

Malta electrical distribution box model and size table



AI Overview

Electrical distribution boxes in Malta come in various sizes and materials, with IP ratings from IP40 to IP66, suitable for both indoor and outdoor installations.

Common Types and Materials

Wall-Mount Boxes (Series ST): Made from press-bent steel sheet with hidden hinges, powder-coated epoxy-polyester finish (RAL 7035 textured), and optional stainless steel. They include a 2.0 mm galvanized steel inner mounting plate fixed with welded screws, providing robust support for electrical components and ensuring IP66 protection against dust and water ingress.

Polyester Enclosures: Lightweight, suitable for domestic electrical devices, available in IP40 or IP55 ratings. These are ideal for indoor use where moderate protection is sufficient.

Aluminium Junction Boxes: Provide IP66 protection, suitable for harsher environments, often including back plates, DIN rails, and stepped glands for cable management.

Consumer Units and Waterproof Boxes: Examples include the Jangar Waterproof Box (9.3 x 9.3 x 4.7 cm, IP55) and Master Recessed Mount Box (11.9 x 9.6 x 7 cm), designed for compact installations and outdoor protection.

Dimensions and Mounting

Square and Rectangular Boxes: Sizes range from small compact boxes (~9 x 9 cm) to larger wall-mounted enclosures for multiple circuits.

Round Boxes: Diameter ~6.5 cm, height 4 cm, suitable for single devices or small electronics.

Wall-Mounting: Most boxes are designed for wall installation, with options for recessed mounting to provide a clean, discreet appearance.

Specifications

IP Ratings: IP40, IP55, IP56, IP66 depending on model and intended environment.

Materials: Steel (powder-coated or stainless), aluminium, and thermoresistant polyester.

Internal Features: Galvanized steel mounting plates, DIN rails, and 1/4 turn screws for secure component installation.

Protection: Boxes are designed to protect against dust, water spray, and...

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For more information, pricing, or custom solutions, please contact us:

Website: <https://araziyahsafety.co.za>

Email: info@araziyahsafety.co.za

Phone: +27 72 418 3692

Address: 123 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

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