

Protective steel mesh for primary distribution boxes

Article Overview

Steel mesh panels provide durable, secure, and ventilated protection for primary distribution boxes, preventing unauthorized access while allowing airflow.

Key Features

Material and Durability: Protective steel mesh panels are typically made from high-quality steel or stainless steel, offering long-lasting strength and resistance to impact, corrosion, and wear, which is essential for electrical enclosures exposed to industrial environments or outdoor conditions . **Mesh Size and Security:** Mesh panels come in various sizes, commonly ranging from 30 mm to 40 mm openings, which balance security and ventilation. Smaller mesh sizes prevent tampering or intrusion while still allowing heat dissipation from electrical components . **Customization and Installation:** Panels can be cut to size (up to 3000 x 2000 mm) and installed using clamping profiles, posts, or brackets. Modular systems, like those from Troax, allow for flexible installation around existing distribution boxes, including options for hinged or sliding doors with lock mechanisms for controlled access . **Ventilation and Safety:** Steel mesh ensures proper airflow, reducing the risk of overheating in primary distribution boxes. Perforated or louvred panels can be used where additional ventilation or airflow control is required . **Additional Protection Options:** For environments requiring extra protection, stainless steel cable mesh sleeving can be used to shield individual cables from abrasion, heat, or impact, complementing the enclosure mesh .

Applications...

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Internal Structure of Distribution Box

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