



Enclosed 3-Phase Electrical Terminal Block for TN-S Network with Mounting Holes for M6 Screws



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Summary

Enclosed 3-phase terminal block for TN-S network, mounts with M6 screws, customizable, durable, and suitable for control

Learning > Engineering

Tags: customizable 3dmodel electricalsafety m6screws
controlcabinet distributionboard 3phase securemounting
enclosedterminalblock electricalconnection tnsnetwork
industrialuse

Overview: This 3D model represents an enclosed 3-phase electrical terminal block designed for TN-S (Terre Neutral - Separate) network systems. It is suitable for use in control cabinets and distribution boards. The model features mounting holes for M6 screws and separate sections for each phase and neutral, offering both protection and ease of maintenance.

Features:

Enclosed Design:

- **Protects electrical connections from external elements and damage.**

3-Phase Configuration for TN-S Network:

- **Distinct sections for each phase (L1, L2, L3), neutral (N), and earth (PE).**

Mounting Holes:

- **Multiple holes sized for M6 screws ensure stable attachment.**

Separate Connection Sections:

- **Allows easy access and maintenance without affecting the main enclosure.**

High Compatibility:

- **Ideal for control cabinets, distribution boards, and other electrical systems.**

Customizable:

- **Adjustable dimensions to fit specific needs.**

Printing Parameters:

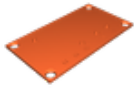
- **Material: PLA, ABS, or other common 3D printing materials.**
- **Layer Height: 0.2mm recommended for detail and strength.**
- **Infill: 20-30% for durability.**
- **Supports: Minimal supports required; mainly for overhangs.**
- **Orientation: Optimized for ease of printing with minimal support.**

Applications:

- **Control cabinets**
- **Distribution boards**
- **Industrial electrical systems**
- **3-phase connections in TN-S networks**

This model provides a robust and secure solution for 3-phase electrical connections, ensuring durability and ease of maintenance in various electrical applications.

Model files



down.stl



up.stl

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