

Bracket for installing distribution boxes



AI Overview

Install a distribution box bracket by marking the mounting points, drilling holes, securing with expansion bolts, and ensuring the box is level and stable.

Step-by-Step Installation

1. Choose the Installation Location Select a dry, ventilated, and accessible area away from water, flammable, explosive, or corrosive substances. For residential boxes, a height of about 1.5 meters is recommended, while industrial setups may vary depending on surrounding equipment . Ensure there is enough space around the box for wiring, ventilation, and future maintenance.
2. Prepare Tools and Materials You will need a screwdriver, electric drill, wire stripper, multimeter, insulation resistance tester, expansion bolts, screws, and the distribution box bracket itself. Verify that all tools are in good condition and calibrated .
3. Mark and Drill Holes Place the bracket against the wall or mounting surface. Use a marker to indicate the positions of the holes for the expansion bolts. Drill holes of appropriate size for the bolts, ensuring alignment with the bracket .
4. Secure the Bracket Insert expansion bolts into the drilled holes and tighten them to fix the bracket firmly. Check that the bracket is level and stable, without tilting or looseness. For outdoor installations, consider using a waterproof bracket or adding a rain cover .
5. Mount the Distribution Box Place the distribution box onto the secured bracket. Align the box with the bracket and tighten any screws or fasteners to ensure it is firmly attached. Confirm that the box is level and stable .
6. Wiring Preparation and Connection Strip the insulation from wires to the required length. Connect phase, neutral, and ground wires to their respective terminals, following color coding standards. Use a wire stripper or screwdriver to ensure tight and secure connections . Arrange wires neatly inside the box and secur...

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