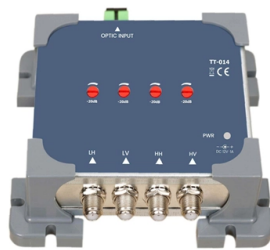


Install waterproof connectors in distribution boxes



Article Overview

Proper installation of waterproof connectors ensures IP-rated protection, prevents moisture ingress, and maintains electrical safety in distribution boxes.

Preparatory Work

- Select the appropriate distribution box based on project requirements, environmental conditions, and IP rating (IP65 or higher) to ensure adequate protection against water and dust ingress .
- Inspect the box for damage, rust, or missing components. Ensure the door lock, gaskets, and internal mounting plates are intact .
- Prepare tools and materials: screwdrivers, wrenches, electric drill, cable glands, insulating tape, terminal blocks, and grounding wires .

Mounting the Distribution Box

- Choose the installation location: Avoid direct sunlight, water sources, and humid areas. Ensure good ventilation and accessibility for maintenance .
- Install the fixing bracket: Secure a strong, vibration-resistant bracket according to design specifications .
- Mount the box: Place the box on the bracket, adjust its height from the ground, and fasten it securely using screws or expansion bolts with rubber sealing washers to maintain waterproof integrity .

Installing Waterproof Connectors

- Prepare cable entry points: Pierce pre-molded knockout holes at the bottom or sid...

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