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› Kadimendium 20Pcs Wire Connector 1 in 4 Out Push-Type Splitter Conductor Terminal Block Instruction Manual

Kadimendium 0a004f94-6856-4e40-a7a3-90c527b030dc

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Model: 0a004f94-6856-4e40-a7a3-90c527b030dc

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of the Kadimendium 20Pcs Wire Connector 1 in 4 Out Push-Type Splitter Conductor Terminal Block. Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

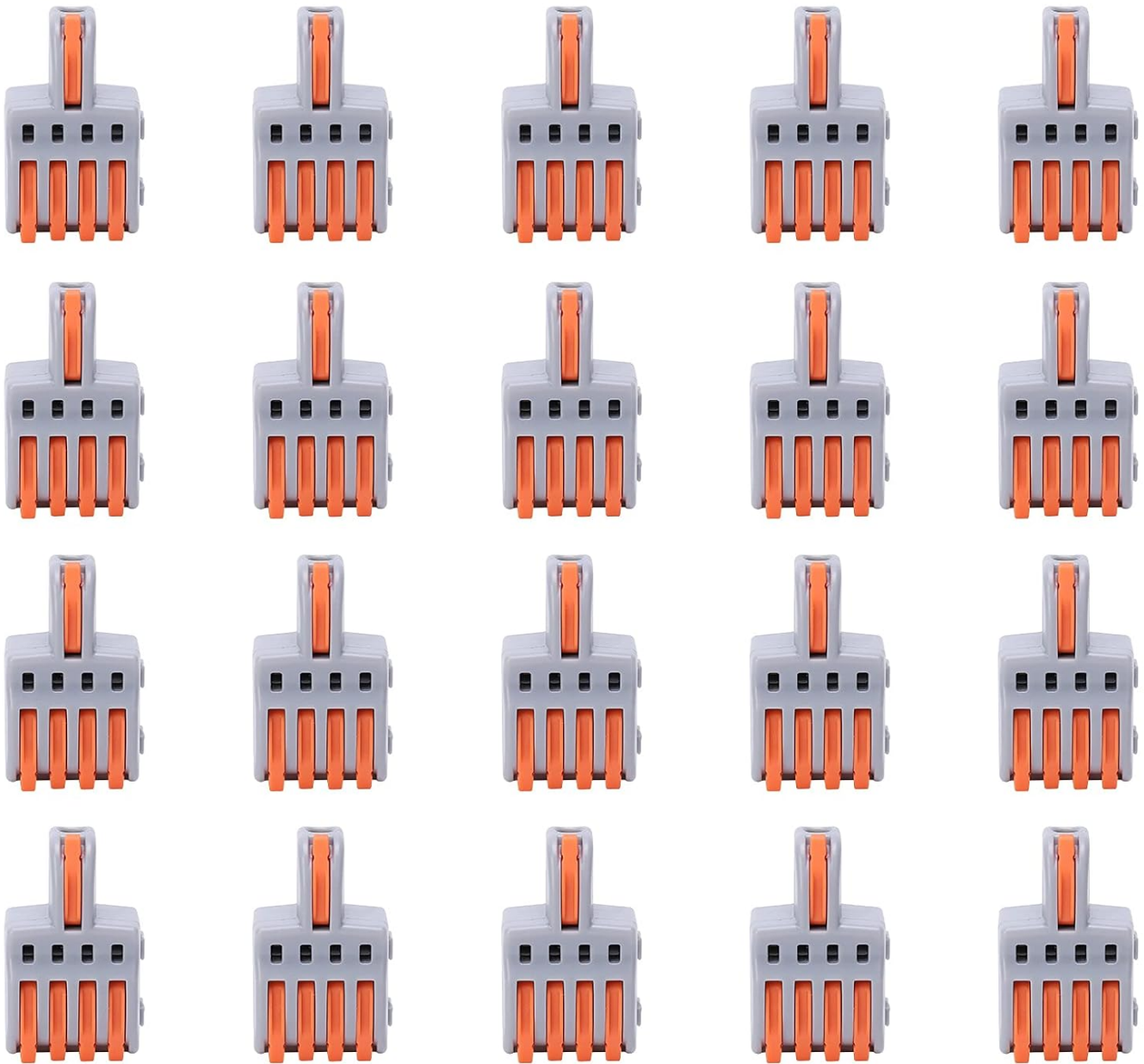


Image 1.1: Overview of the Kadimendium 1 in 4 Out Push-Type Wire Connectors. This image displays twenty individual wire connectors, each featuring a grey body with four orange push levers, arranged neatly in a grid pattern against a white background.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with electrical components:

- Ensure power is disconnected before installing or removing connectors.
- Only use these connectors with appropriate wire gauges as specified in the product specifications.
- Do not exceed the rated voltage and current of the connector.
- Avoid contact with live electrical circuits.
- Consult a qualified electrician if you are unsure about any aspect of electrical wiring.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

3.1 Features

- **Push-Type Quick Wiring:** Designed for fast and secure wire connections.
- **Secure Connection:** Strong circlip mechanism prevents wires from loosening.
- **Reusable:** Can be plugged and unplugged repeatedly without compromising connection integrity.
- **Modular Design:** Male and female tenons on both sides allow for splicing multiple terminals side-by-side for multi-position wiring.
- **High Conductivity:** Features a copper conductor for efficient electrical transmission.
- **Durable Material:** Constructed from PC + Copper, offering flame retardant and high-temperature resistance.
- **Versatile Application:** Suitable for lighting, motors, electrical control, power supplies, home appliances, machinery, and home improvement projects.

3.2 Components

Each wire connector consists of:

- **PC Housing:** The grey outer casing providing insulation and structural integrity.
- **Copper Conductor:** Internal metal component ensuring electrical connection.
- **Push Levers (Orange):** Mechanisms to open and secure wire entry points.
- **Wire Entry Ports:** Openings for inserting stripped wires.
- **Splicing Tenons:** Interlocking features on the sides for connecting multiple blocks.



Image 3.2.1: Detailed view of a single wire connector. This image highlights the grey PC housing, the orange push levers, and the circular wire entry port on the left side of the connector.

4. SPECIFICATIONS

Attribute	Value
Material	PC + Copper
Rated Voltage	250V
Rated Current	32A
Wire Diameter (Soft & Hard Wire)	0.08 - 2.5 (4) mm² / AWG28 - 12
Withstand Voltage	4kV
Ambient Temperature	-40°C to +105°C

Attribute	Value
Stripping Length	Approx. 11-12mm (0.43-0.47in)
Number of Contacts	4
Color	Orange (levers) / Grey (body)
Model Number	0a004f94-6856-4e40-a7a3-90c527b030dc

5. SETUP AND INSTALLATION

Follow these steps to correctly install the wire connector:

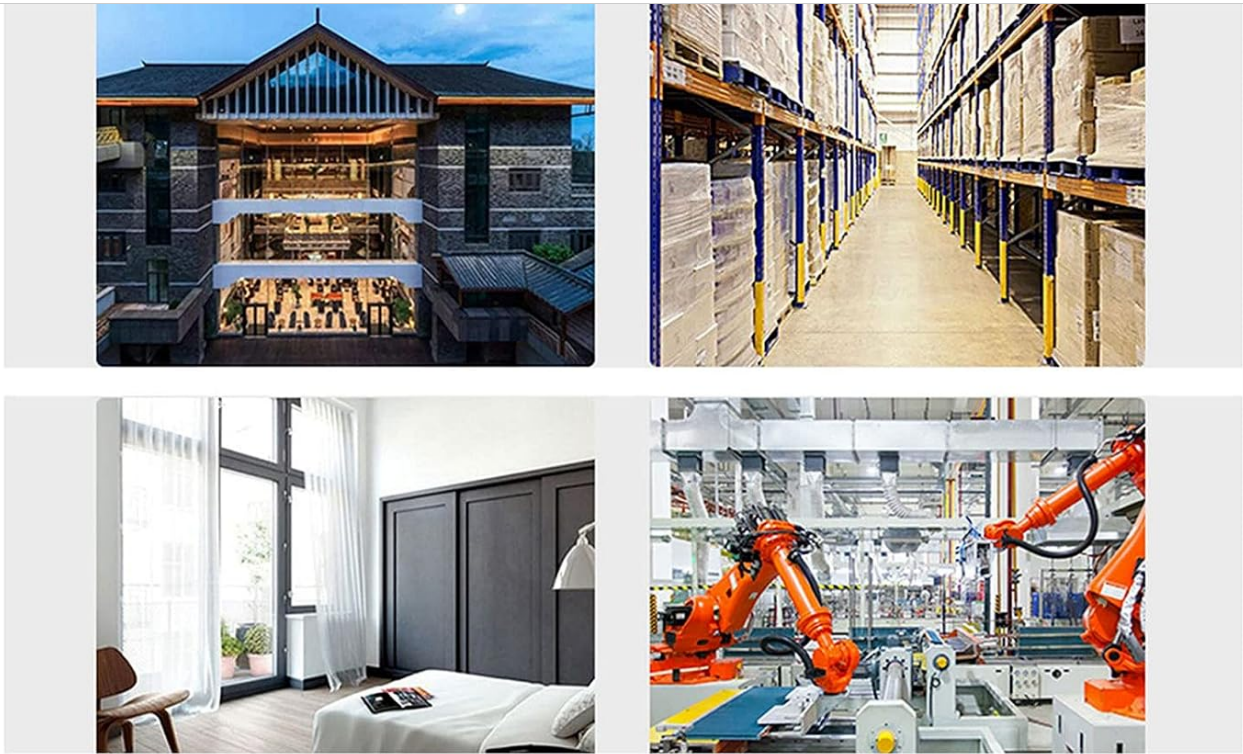
- 1. Prepare Wires:** Ensure the power supply is OFF. Strip approximately 11-12mm (0.43-0.47 inches) of insulation from the end of each wire you intend to connect. Ensure the stripped wire is clean and free of frayed strands.
- 2. Open Lever:** For each wire entry port you wish to use, lift the corresponding orange push lever to the fully open (upright) position.
- 3. Insert Wire:** Insert the stripped end of the wire completely into the open port. Ensure no bare wire is exposed outside the connector and that the insulation reaches the connector body.
- 4. Close Lever:** Push the orange lever down firmly until it clicks into its closed position. This secures the wire connection.
- 5. Verify Connection:** Gently tug on the wire to confirm it is securely held and cannot be easily pulled out.
- 6. Repeat:** Repeat steps 2-5 for all wires you need to connect.



Image 5.1: Wire connector with levers open. This image shows a single grey wire connector with all four orange push levers in the upward, open position, indicating readiness for wire insertion.

5.1 Splicing Multiple Terminals

The connectors feature male and female tenons on their sides, allowing multiple units to be spliced together for multi-position wiring. Simply align the tenons of two connectors and push them together until they interlock securely.



1 IN 4 OUT DESIGN, MULTIPLE TERMINALS CAN BE CONNECTED SIDE BY SIDE



Image 5.1.1: Application examples and splicing. This image displays four smaller pictures: a modern building, a warehouse, a room interior, and a factory with robotic arms. Below these, a larger image shows two Kadimendum wire connectors interlocked side-by-side, demonstrating their splicing capability.

6. OPERATING INSTRUCTIONS

Once wires are securely connected, the terminal block functions as a reliable electrical junction. Ensure all connections are firm before restoring power. The 1 in 4 out design allows one input wire to be split into four output connections, or vice versa, depending on the wiring configuration.

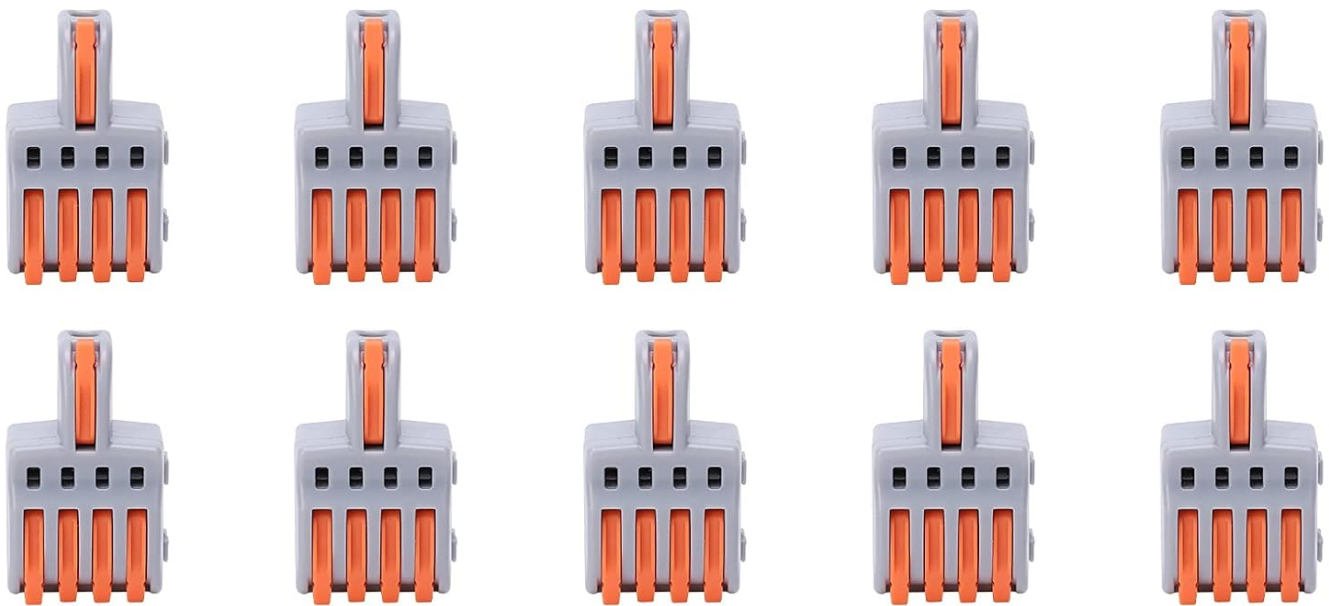
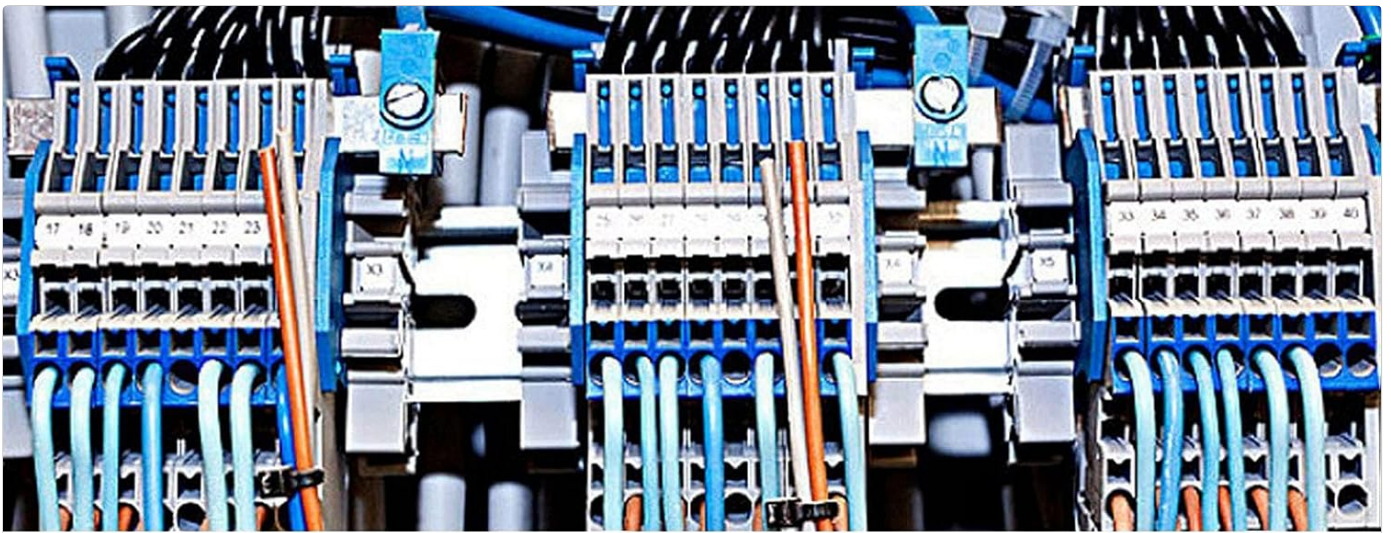


Image 6.1: Connectors in an electrical panel. This image shows multiple Kadimendum wire connectors integrated into an electrical control panel, demonstrating their use in organizing and connecting various electrical wires.

7. MAINTENANCE

The Kadimendum wire connectors are designed for durability and require minimal maintenance. However, periodic inspection is recommended:

- **Visual Inspection:** Periodically check for any signs of damage, discoloration, or loose connections.
- **Cleanliness:** Ensure the connectors are free from dust, dirt, or moisture, which can affect performance. Use a dry, non-abrasive cloth for cleaning.
- **Connection Integrity:** Gently check wires to ensure they remain securely fastened within the connector.

8. TROUBLESHOOTING

If you encounter issues, consider the following:

- **No Power/Intermittent Connection:**

- Ensure the wire is stripped to the correct length (11-12mm) and fully inserted.
- Verify the orange lever is fully closed and locked.
- Check for damaged wires or connectors. Replace if necessary.

- **Wire Will Not Insert:**

- Confirm the orange lever is fully open (upright position).
- Check if the wire gauge is within the specified range (0.08 - 2.5 (4) mm² / AWG28 - 12).
- Ensure the wire end is not bent or frayed.

- **Connector Feels Loose:**

- Re-open and re-close the lever firmly.
- Ensure the wire is not undersized for the connector.

9. WARRANTY AND SUPPORT

Kadimendium products are manufactured to high-quality standards. For any questions, technical assistance, or support regarding your wire connectors, please contact Kadimendium customer service through your purchase platform or the official brand website. Please have your model number (0a004f94-6856-4e40-a7a3-90c527b030dc) and purchase details ready.

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