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Jutagoss P02-M2

Jutagoss P02-M2 Quick Connector User Manual

Spring Wire Connector Terminal Block for LED Strip Light Wire Connecting

PRODUCT OVERVIEW

The Jutagoss P02-M2 Quick Connector is a spring-loaded terminal block designed for efficient and secure wire connections, particularly suitable for LED strip lights and other low-voltage applications. Its press-type design allows for quick installation without the need for additional tools, ensuring a reliable and safe connection.



Image: Five Jutagoss P02-M2 Quick Connectors, showcasing the product's appearance and quantity in a typical package.

SPECIFICATIONS

Parameter	Value
Model	P02-M2
Rated Voltage	300V
Rated Current	9A
Poles	2 Positions
Fit Wire Diameter	0.5-1.5mm ²
Main Color	White

Parameter	Value
Dimensions (L x W x H)	23.5mm x 21.5mm x 9.2mm (0.93" x 0.85" x 0.36")
Shell Material	High quality PP insulating fireproofing material
Pressing Sheet Material	High quality conductive steel spring
Operating Temperature	-40°C to 150°C

Product Size

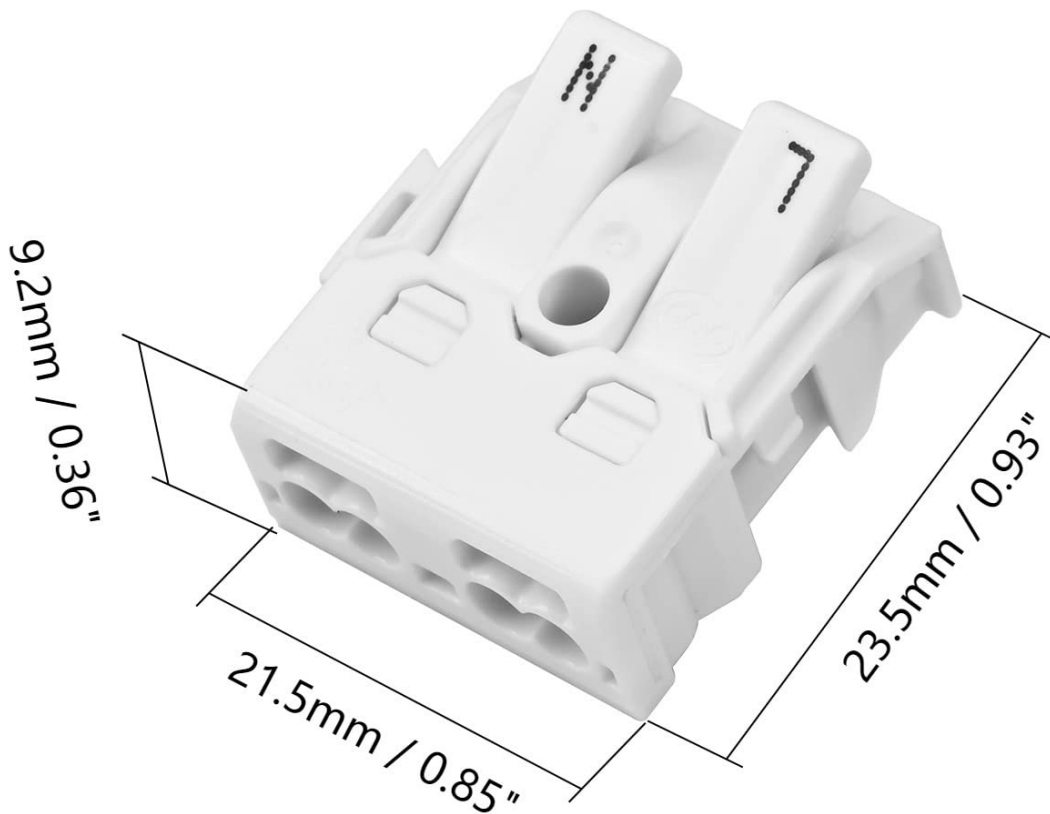


Image: Detailed dimensions of the P02-M2 Quick Connector, showing length, width, and height measurements.

SETUP AND INSTALLATION

The P02-M2 Quick Connector is designed for simple and tool-free installation. Follow these steps for a secure connection:

1. **Prepare Wires:** Ensure the wires to be connected are stripped to an appropriate length, typically 9-10mm, exposing

the conductive core. Avoid over-stripping or under-stripping.

- Open Terminal:** Hold the connector firmly. Press down on the spring-loaded lever or tab for the desired terminal position. This will open the wire entry port.
- Insert Wire:** Carefully insert the stripped end of the wire into the opened port until it reaches the internal stop.
- Secure Connection:** Release the spring-loaded lever or tab. The internal spring mechanism will clamp down on the wire, creating a secure electrical connection. Gently tug on the wire to confirm it is firmly held.
- Repeat:** Repeat the process for the second wire in the adjacent terminal position.

Note: Always ensure power is disconnected before performing any wiring work. These connectors are suitable for solid, stranded, and fine-stranded conductors within the specified wire diameter range (0.5-1.5mm²).

OPERATING INSTRUCTIONS

Once installed, the Jutagoss P02-M2 Quick Connector provides a stable and reliable electrical connection. No specific operational steps are required beyond the initial installation. The connector functions as a passive component, facilitating the flow of electricity between connected wires.

- Voltage and Current:** Ensure the connected circuit's voltage and current do not exceed the connector's rated specifications (300V, 9A) to prevent overheating or damage.
- Environmental Conditions:** The connector is designed to operate within a wide temperature range (-40°C to 150°C). Avoid exposing it to extreme moisture or corrosive environments beyond its intended use.

MAINTENANCE

The Jutagoss P02-M2 Quick Connector is a low-maintenance component. Regular maintenance is generally not required. However, periodic inspection is recommended, especially in critical applications.

- Visual Inspection:** Periodically check the connectors for any signs of physical damage, discoloration, or loose connections. Ensure the wires are still securely held.
- Cleaning:** If necessary, gently clean the exterior of the connector with a dry, lint-free cloth. Do not use liquid cleaners or solvents.
- Re-connection:** If a connection appears loose or damaged, disconnect power, remove the wire, and re-insert it following the setup instructions. Replace any damaged connectors immediately.

TROUBLESHOOTING

Most issues related to the P02-M2 Quick Connector stem from improper installation or exceeding electrical ratings. Refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Wire is loose or pulls out easily	Wire not inserted far enough; wire stripped too short; incorrect wire gauge.	Ensure wire is stripped to 9-10mm. Re-insert wire fully until it stops. Verify wire diameter is within 0.5-1.5mm ² .
No electrical connection	Poor wire insertion; damaged connector; circuit issue.	Check wire insertion. Inspect connector for damage and replace if necessary. Verify power source and other circuit components.

Problem	Possible Cause	Solution
Connector feels hot	Overcurrent; poor connection causing resistance.	Immediately disconnect power. Verify circuit current does not exceed 9A. Re-check wire connections for proper seating. Replace connector if damage is visible.

If issues persist after troubleshooting, consult a qualified electrician or contact Jutagoss customer support.

WARRANTY AND SUPPORT

Jutagoss products are manufactured to high-quality standards. While specific warranty details are not provided in this manual, please refer to the product packaging or the official Jutagoss website for the most current warranty information. For technical support, product inquiries, or assistance with troubleshooting, please contact Jutagoss customer service through their official channels. You can often find contact information on the product packaging or by visiting the [Jutagoss Store on Amazon](#).