

## OSCULATI B07MBZVFJQ

# OSCULATI Male Dock Connector Plug 32 A

Model: B07MBZVFJQ

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your OSCULATI Male Dock Connector Plug 32 A. This product is designed for marine electrical applications, specifically for connecting to shore power inlets, ensuring a reliable and secure electrical connection for your vessel. Please read this manual thoroughly before installation and operation.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage:

- **Electrical Hazard:** This product handles high voltage and current. Installation and maintenance should only be performed by qualified personnel.
- **Disconnect Power:** Always ensure that the power source is disconnected before installing, inspecting, or performing any maintenance on the plug or associated wiring.
- **Proper Wiring:** Ensure all wiring connections are secure and comply with local electrical codes and marine standards. Incorrect wiring can lead to fire, electric shock, or equipment damage.
- **Environmental Conditions:** Do not use the plug if it appears damaged or has been exposed to excessive moisture or corrosive environments beyond its intended use.
- **Overload Protection:** Ensure the circuit is protected by appropriate circuit breakers or fuses rated for 32 Amperes.

## 3. PRODUCT OVERVIEW

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The OSCULATI Male Dock Connector Plug 32 A is a robust electrical connector designed for marine environments. It features a durable blue housing, a grey threaded locking collar, and three brass pins for electrical connection.



This image displays the OSCULATI Male Dock Connector Plug 32 A. It is a blue cylindrical plug with a grey threaded collar at one end and three brass pins protruding from the other end, designed for connecting to a shore power inlet.

## 4. SETUP AND INSTALLATION

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Installation of this plug involves wiring it to an appropriate marine power cable. It is recommended that installation be performed by a certified marine electrician.

1. **Prepare the Cable:** Strip the outer jacket of your marine power cable to expose the individual insulated conductors. Strip the insulation from the ends of each conductor to the recommended length for the screw terminals.
2. **Disassemble the Plug:** Unscrew and remove the grey threaded collar and any internal strain relief components from the main blue housing.
3. **Wire Connections:** Carefully insert each conductor into its corresponding screw terminal within the plug's internal assembly. Ensure proper polarity (Line, Neutral, Ground) as per marine electrical standards. Tighten the screw terminals securely to prevent loose connections, which can cause overheating.
4. **Secure Strain Relief:** Reassemble the internal strain relief mechanism around the cable to prevent tension on the wire connections.
5. **Reassemble Plug:** Slide the blue housing over the wired terminals and secure it. Thread the grey collar back onto the housing, ensuring a tight seal to protect against moisture ingress.
6. **Test Connection:** Before applying full power, use a multimeter to verify correct wiring and continuity.

## 5. OPERATION

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To operate the plug, ensure the shore power inlet on your vessel is clean and free of debris. Align the pins of the OSCULATI plug with the receptacles of the shore power inlet. Push the plug firmly into the inlet until it is fully seated. Once inserted, twist the grey threaded collar to lock the plug securely to the inlet, preventing accidental disconnection and ensuring a watertight seal. To disconnect, reverse the process: untwist the collar, then pull the plug straight out from the inlet.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your plug:

- **Inspection:** Periodically inspect the plug for any signs of wear, cracks, discoloration, or corrosion on the pins or housing. Check the cable entry point for fraying or damage.
- **Cleaning:** Keep the plug and its pins clean and free of dirt, salt residue, and moisture. Use a soft, dry cloth for cleaning. For stubborn grime, a mild, non-abrasive cleaner can be used, ensuring the plug is completely dry before use.

- **Lubrication:** A small amount of dielectric grease can be applied to the pins to prevent corrosion and ease connection, especially in marine environments.
- **Storage:** When not in use, store the plug in a clean, dry place, protected from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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If you encounter issues with your plug, consider the following:

- **No Power:**
  - Check if the shore power source is active.
  - Ensure the plug is fully inserted and the locking collar is tightened.
  - Inspect the cable for damage or breaks.
  - Verify internal wiring connections are secure (only by qualified personnel).
- **Overheating:**
  - Loose connections can cause resistance and heat. Have connections checked by a professional.
  - Ensure the plug's current rating (32 A) is not exceeded by the connected load.
- **Difficulty Connecting/Disconnecting:**
  - Check for debris or corrosion on the pins or within the shore power inlet.
  - Ensure the locking collar is fully loosened before attempting to disconnect.

## 8. SPECIFICATIONS

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<b>Brand</b>	OSCULATI
<b>Model Number</b>	B07MBZVFJQ
<b>Current Rating</b>	32 Amperes
<b>Connector Type</b>	Plug In
<b>Terminal Type</b>	Screw
<b>Circuit Type</b>	1-way
<b>Contact Material</b>	Copper
<b>International Protection Rating</b>	IP00 (Note: This rating indicates no special protection against water or dust ingress beyond basic safety. Ensure proper installation and use in appropriate environments.)
<b>Number of Pins</b>	3 (as per product image)
<b>Package Dimensions</b>	27.56 x 7.09 x 2.76 inches; 8.82 ounces
<b>Country of Origin</b>	Italy
<b>Manufacturer</b>	OSCULATI S.P.A.

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support, please contact your point of purchase or the manufacturer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: OSCULATI S.P.A.

Website: [www.osculati.com](http://www.osculati.com) (Please note: This is a general link and may not be specific to support for your region.)

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