

Elecbee EB-411-0063

Elecbee IEC60309 16A 3-Pin Industrial Receptacle User Manual

Model: EB-411-0063

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Elecbee IEC60309 16A 3-Pin Industrial Receptacle. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

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

- Ensure power is disconnected before installation or maintenance.
- Installation should only be performed by qualified personnel in accordance with local electrical codes and regulations.
- Do not use the receptacle if it appears damaged.
- Verify correct voltage and amperage ratings before connecting any equipment.
- Ensure proper grounding connections are made.

3. PRODUCT OVERVIEW

The Elecbee IEC60309 Industrial Receptacle is a 3-pin, 16A, 220V-250V, 2P+E panel mount socket designed for industrial applications. It features an IP44 rating for protection against solid objects larger than 1mm and splashing water from any direction.



Figure 3.1: Front view of the Elecbee IEC60309 16A 3-Pin Industrial Receptacle with its protective lid open, showing the three internal pins.



Figure 3.2: The receptacle demonstrating its IP44 water resistance, with water droplets visible on its surface.

4. SPECIFICATIONS

Feature	Specification
Brand	Elecbec
Model Number	EB-411-0063
Amperage	16 Amps
Voltage	220V-250V
Pin Configuration	3-pin (2P+E)
Ingress Protection (IP) Rating	IP44
Connector Type	IEC 60309
Material	Plastic
Color	Blue

Feature	Specification
Country of Origin	USA

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the industrial receptacle:

5.1 Dimensions



Figure 5.1: Product dimensions. Bottom Height: 70 mm, Bottom Length: 70 mm, Circle Diameter: 47 mm.



Figure 5.2: Recommended opening size for panel mounting is 63mm. Use M5 screws for fixing.

5.2 Mounting Instructions

- 1. Prepare the Mounting Surface:** Ensure the panel or surface where the receptacle will be mounted is clean, flat, and sturdy. Cut an opening of 63mm diameter as indicated in Figure 5.2.
- 2. Position the Receptacle:** Place the receptacle into the prepared opening. Ensure the mounting holes align with the surface.
- 3. Secure the Receptacle:** Use M5 screws (not included) to firmly attach the receptacle to the mounting surface through the four corner holes.
- 4. Wiring:**
 - **Disconnect Power:** Ensure all power sources are disconnected before proceeding with wiring.
 - **Access Terminals:** The rear of the receptacle provides access to the wiring terminals.



Figure 5.3: Side view illustrating the internal structure and connection points of the receptacle.

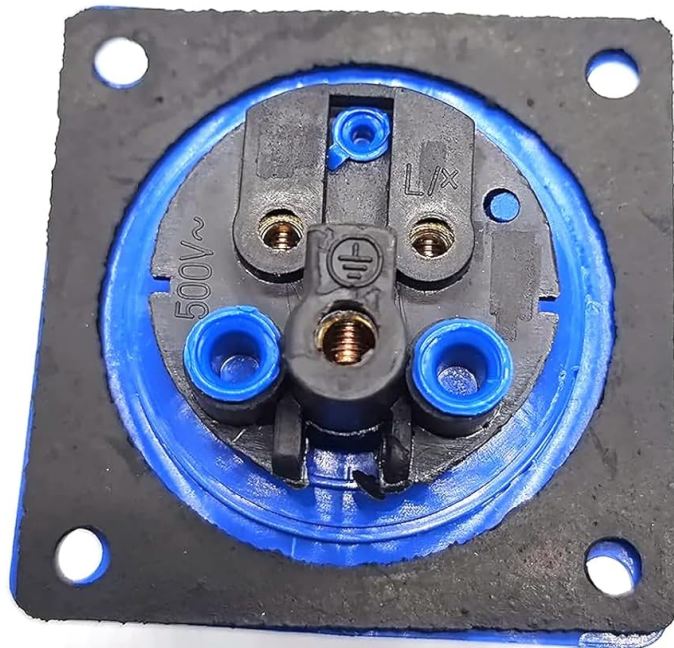


Figure 5.4: Rear view of the receptacle, showing the three wiring terminals (Live, Neutral, Earth) and the rubber gasket for sealing.

4.
 - **Connect Wires:** Connect the Live, Neutral, and Earth wires to their respective terminals. Ensure connections are tight and secure. Refer to local wiring standards for color coding.
 - **Verify Connections:** Double-check all wiring for correctness and security before restoring power.

6. OPERATING INSTRUCTIONS

To operate the receptacle:

1. Ensure the receptacle is correctly installed and wired.
2. Open the protective lid of the receptacle.
3. Align the corresponding industrial plug (not included) with the pins of the receptacle.
4. Insert the plug firmly into the receptacle until it is fully seated.
5. Close the protective lid if the plug design allows, or ensure the connection is secure and protected from environmental factors.
6. Restore power to the circuit.

7. MAINTENANCE

Regular maintenance ensures optimal performance and safety:

- **Inspection:** Periodically inspect the receptacle for any signs of physical damage, wear, or corrosion. Check for loose connections.
- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Lid Functionality:** Ensure the protective lid opens and closes smoothly and provides a secure seal when closed.

8. TROUBLESHOOTING

If you encounter issues, consider the following:

- **No Power:** Check the circuit breaker or fuse for the circuit. Verify all wiring connections are secure.
- **Loose Connection:** If a plug feels loose, ensure it is fully inserted and that the receptacle pins are not damaged or bent.
- **Physical Damage:** If the receptacle is physically damaged, it must be replaced immediately by a qualified electrician.

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For warranty claims or technical support, please contact Elecbee customer service through your point of purchase. Keep your purchase receipt as proof of purchase.