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30A 125V NEMA L5-30P / 50A 125/250V NEMA SS2-50P Shore Power Inlet

Manual ID: PIM-00000214-V001

30A 125V NEMA L5-30P

WARNING!

Disconnect power before wiring.

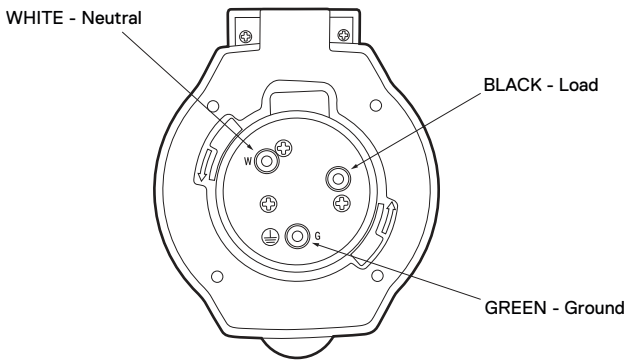
NOTE: Select wire size adequate for load. Refer to NEC tables article 400.

WIRE SIZE: #10 AWG 3 Conductor Minimum

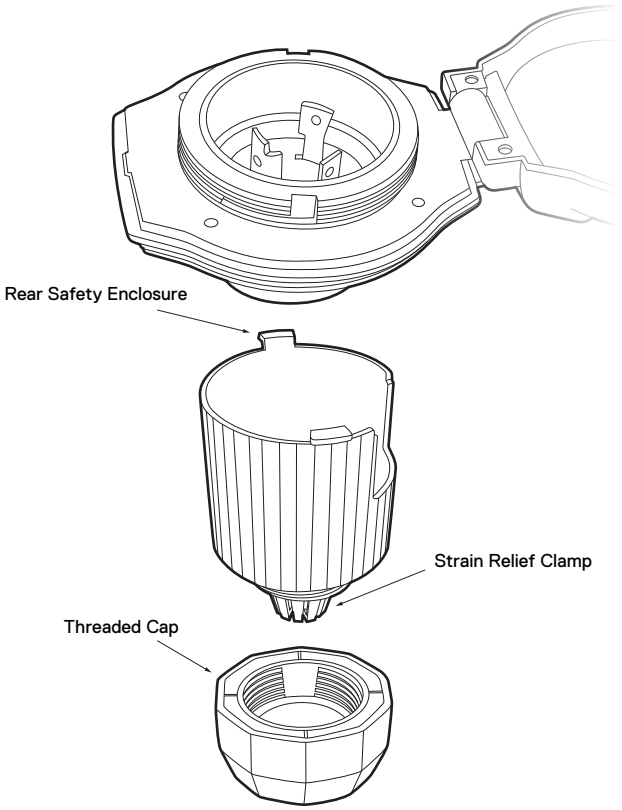
IMPORTANT: This is a 30 Amp, 125V Shore Power Inlet (NEMA L5-30P) for use in dry locations. Use copper wire only.

WARNING: DISCONNECT POWER BEFORE WIRING. FAILURE TO WIRE AS INSTRUCTED MAY CAUSE PERSONAL INJURY OR DAMAGE TO DEVICE OR EQUIPMENT. MUST BE INSTALLED BY AN ELECTRICIAN OR QUALIFIED PERSON ONLY. DO NOT USE AT ANY TIME IF HOUSING IS CHIPPED, CRACKED, OR BROKEN.

Wiring Diagram 1



Mounting Diagram 1



Installation Instructions:

1. Locate a desired mounting location for the new shore power inlet.
   NOTE: Always make sure that no vehicle systems or wiring will be damaged when drilling the mounting holes.
2. Drill a mounting hole using a 2-1/2" hole saw. Deburr the mounting hole.
3. Insert the new power inlet into the mounting hole and using it as a template, mark the locations of the mounting screws.
4. Drill pilot holes for the mounting screws using a 1/8" drill bit.
5. Disassemble the power inlet assembly by removing the Threaded Cap and Rear Safety Enclosure. Refer to Mounting Diagram 1.
6. Loosen the three Terminal Screws.
7. Feed the power cable to be used through the mounting hole, Threaded Cap, and Rear Safety Enclosure.
   CAUTION: The three-conductor power cable being used must be at least 10 AWG. Smaller gauge wires will overheat and is a fire hazard.
8. Strip 1-5/16" of the cable insulation being careful not to cut into the insulation of the internal wires.
9. Strip the insulations of all three wires to expose 5/16" worth of the inner stranded copper. Make sure inner stranded copper are free of corrosion. Do not solder the ends of the wire.
10. Insert the wires into the color-coded openings on the back of the power inlet and tighten the terminal screws to 20 in-lb to securely fasten the wires. Refer to Wiring Diagram 1.
    NOTE: Make sure the terminal clamps are making contact with the inner stranded copper and not contacting the insulation of the wires.
    WARNING: If the power inlet is to be used on a boat, the installer must make sure the installation is in compliance with Federal Regulations covering Electrical Systems 33 CFR 183 Subpart 1, National Fire Protection Association NFPA 302 Chapter 8, and American Boat and Yacht Council's Standards and Recommended Practices for Small Craft Project E-11.
11. Reassemble the power inlet assembly by re-attaching the Rear Safety Enclosure to the power inlet. Note the alignment tab and arrow indicating which way to turn to fasten the two parts together.
12. Proceed with tightening the Threaded Cap to engage the strain relief clamp.
13. Position the mounting gasket and power inlet over the mounting hole and secure it to the mounting surface using the included screws.

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50A 125/250V NEMA SS2-50P

WARNING!

Disconnect power before wiring.

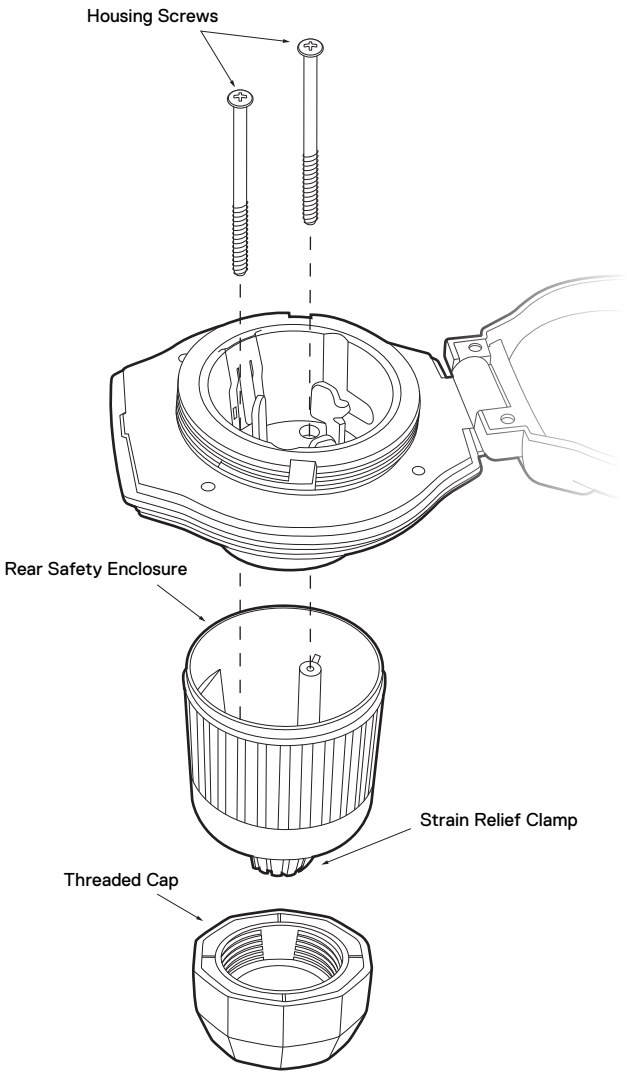
NOTE: Select wire size adequate for load. Refer to NEC tables article 400.

WIRE SIZE: #6 AWG 4 Conductor or #6 AWG 3 Conductor and #8 AWG 1 Conductor Minimum

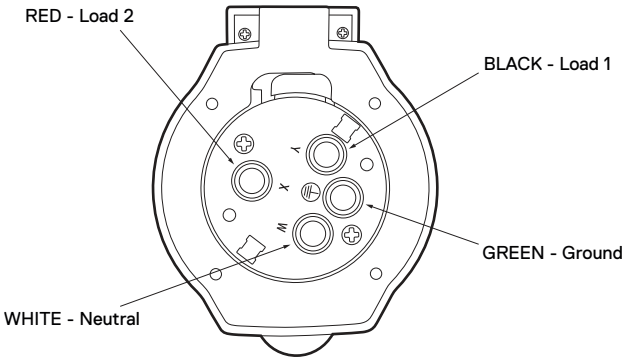
IMPORTANT: This is a 50 Amp, 125/250V Shore Power Inlet (NEMA SS2-50P) for use in dry locations. Use copper wire only.

WARNING: DISCONNECT POWER BEFORE WIRING. FAILURE TO WIRE AS INSTRUCTED MAY CAUSE PERSONAL INJURY OR DAMAGE TO DEVICE OR EQUIPMENT. MUST BE INSTALLED BY AN ELECTRICIAN OR QUALIFIED PERSON ONLY. DO NOT USE AT ANY TIME IF HOUSING IS CHIPPED, CRACKED, OR BROKEN.

Mounting Diagram 2



Wiring Diagram 2



Installation Instructions:

1. Locate a desired mounting location for the new shore power inlet.
   NOTE: Always make sure that no vehicle systems or wiring will be damaged when drilling the mounting holes.

2. Drill a mounting hole using a 2-1/2" hole saw. Deburr the mounting hole.

3. Insert the new power inlet into the mounting hole and using it as a template, mark the locations of the mounting screws.

4. Drill pilot holes for the mounting screws using a 1/8" drill bit.

5. Disassemble the power inlet assembly by loosening the two housing screws, removing the Threaded Cap, and removing Rear Safety Enclosure. Refer to Mounting Diagram 2.

6. Loosen the four Terminal Screws.

7. Feed the power cable to be used through the mounting hole, Threaded Cap, and Rear Safety Enclosure.
   CAUTION: The four-conductor power cable being used must be at least 6 AWG. Smaller gauge wires will overheat and is a fire hazard.

8. Strip 2" of the cable insulation being careful not to cut into the insulation of the internal wires.

9. Strip the insulations of all three wires to expose 5/16" worth of the inner stranded copper. Make sure inner stranded copper are free of corrosion. Do not solder the ends of the wire.

10. Insert the wires into the color-coded openings on the back of the power inlet and tighten the terminal screws to 20 in-lb to securely fasten the wires. Refer to Wiring Diagram 2.
    NOTE: Make sure the terminal clamps are making contact with the inner stranded copper and not contacting the insulation of the wires.
    WARNING: If the power inlet is to be used on a boat, the installer must make sure the installation is in compliance with Federal Regulations covering Electrical Systems 33 CFR 183 Subpart 1, National Fire Protection Association NFPA 302 Chapter 8, and American Boat and Yacht Council's Standards and Recommended Practices for Small Craft Project E-11.

11. Reassemble the power inlet assembly by re-attaching the Rear Safety Enclosure to the power inlet and tightening the two housing screws. Note the positions of the alignment notch and protrusion present on the power inlet housing and rear safety enclosure.

12. Proceed with tightening the Threaded Cap to engage the strain relief clamp.

13. Position the mounting gasket and power inlet over the mounting hole and secure it to the mounting surface using the included screws.

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