MARINCO

12/24/36/48V
3 Wire

70A Trolling Motor Plug & Receptacle

5 YEAR WARRANTY

- Corrosion resistant construction
- Easy to install and wire

Enchufe de motor de arrastre de 70 A

- Construcción resistente a la corrosión
- Fácil de instalar y cablear

Fiche de propulseur électrique 70 A

- Construction résistante à la corrosion
- Installation et câblage simples

12VCPS3

INSTALLATION/WIRING INSTRUCTIONS

For Marinco ConnectPro Receptacle (12VBRS3), Plug (12VBPS3), and combination kit (12VCPS3).

WARNING: Batteries contain a large amount of potential electrical energy. Extreme care must be used when working with batteries. An improper connection to a battery can release enough energy to cause severe injury or fire.

PLEASE READ THROUGH ALL INSTRUCTIONS PRIOR TO INSTALLATION

Wire Sizes: 6AWG and 8AWG. 4AWG can be used with the receptacle but requires 4AWG wire shoes (ferules) that are not included.

Basic Tools Required For Installation:

- Phillips-Head Screwdriver
- Electric Drill
- 1-3/4" Diameter Hole Saw
- 7/64" (#32, .116") Drill Bit (For mounting plate installation)
- Wire Stripper
- 3/32" Hex Wrench (Included)

Required for installation and NOT included with this product:

- Fuse and Fuse Carrier

To determine the size fuse required, consult your trolling motor specification manual.

The ConnectPro receptacle and mating plug are designed to be used on a variety of battery systems (12V, 24V, 12/24V, 36V, 24/36V, and 48V). It is important that the plug is wired to match how the receptacle is wired. The terminals marked ❶, ❷, and ❸ on the plug mate with the corresponding terminals marked ❶, ❷, and ❸ on the receptacle.

Before wiring the plug verify you know how the receptacle is wired.

The following precautions must be taken:

- The wiring to the battery must have proper overcurrent protection in the form of a fuse or circuit breaker. Position the overcurrent protection within 7" of the battery.
- Follow the wiring diagrams exactly.

Receptacle Installation and Wiring

1. When mounting the receptacle, select a place in the boat where the boat structure is not weakened. Mount on a vertical surface to lessen the amount of water that can enter the receptacle.
2. Drill a 1-3/4" hole. If you are using the front mounting plate, drill two holes with a 7/64" drill bit to mount the plate. Use the mounting plate as a guide to mark the locations of the holes.
3. Strip the battery wires 3/4". If necessary, cut back the wires until clean wire is uncovered. Do NOT solder the ends of the wires.
4. Slide wire shoe (ferrule) over each wire.
5. If the mounting plate is used the wires must be placed through the center hole in the plate before continuing. The mounting plate cannot be assembled after the receptacle is wired.
6. Insert the negative wire into terminal ❶ and the positive wire into terminal ❷ (see Figures 1, 2 and 3). For three-wire systems (either 12/24 or 24/36V) insert the highest voltage wire into terminal ❸ (see Figure 4).
7. Make certain there is no wire insulation inside the contacts, and there are no stray wire strands outside the contacts. Tighten the terminal set screws using the 3/32 hex wrench. Torque to 20 in-lbs
8. Install the receptacle and mount with the rear threaded locking ring and front mounting plate. Do not overtighten the threaded locking ring. Install the (2) screws to secure the front mounting plate.

CAUTION: The terminal locations for the plug match what is specified for the receptacle. Verify that the receptacle is wired as shown in the figures.

Plug Wiring

1. Loosen the (3) body screws at the front of the plug. Pull the housing off the plug body.
2. Loosen the two strain relief screws at the back of the plug. Push the trolling motor wires through the gasket openings at the back of the housing. See figure 5 for wire routing through the gasket.

NOTE: For applications with three wires (12/24 or 24/36V), cut out the third hole in the gasket.

3. Strip the wires 3/4". If necessary, cut back the wires until clean wire is uncovered. Do NOT solder the ends of the wires.
4. Slide wire shoe (ferrule) over each wire.
5. Insert the negative wire into terminal ❶ and the positive wire into terminal ❷. For three-wire applications (either 12/24 or 24/36V) insert the highest voltage wire into terminal ❸. Make certain there is no wire insulation inside the terminals, and there are no stray wire strands outside the terminals. Tighten the terminal set screws using the 3/32 hex wrench. Torque to 20 in-lbs.
6. Align the arrow from the body to the arrow on the housing. Slide the housing back onto the body. Tighten the (3) body screw to 10 in-lbs.
7. Tighten the strain relief using the two strain relief screws. Alternately tighten the two screws so the strain relief clamps evenly secure the wires. Torque to 10 in-lbs.

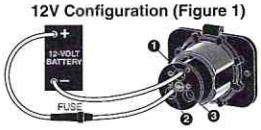
Connect and Disconnect

Note: The pins and contacts are designed to float. This allows for easier connection while maintaining a tight electrical connection.

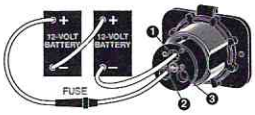
WARNING: Do not connect or disconnect under load. Do not attempt to mate with any other manufacturer's product.

1. To connect align the arrow on the plug to the arrow on the receptacle. Push together until the face of the plug contacts the face of the receptacle bore.
2. To disconnect pull straight back. It may be necessary to move the plug from side to side while pulling back.

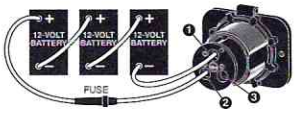
12V Configuration (Figure 1)



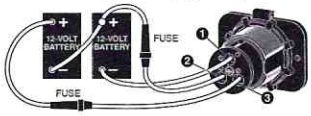
24V Configuration (Figure 2)



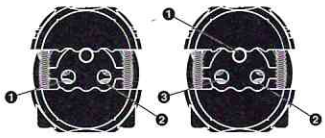
36V Configuration (Figure 3)



12/24V (also 24/36V) Configuration (Figure 4)



Plug wire routing through Gasket (Figure 5)



2-wire 3-wire

- 70A continuous rating (1 Hour) for 12V and 24V. 60A continuous rating (1 Hour) for 36V and 48V.
- Universal design for 2 or 3 wire, 12V, 24V, 12/24V, 24/36V or 48V systems
- Weather resistant seals and covers safeguard electrical contacts from water and corrosion
- Plated brass electrical contacts protect from power robbing corrosion
- Floating pin design for maximum connectivity and durability
- Watertight cap seals receptacle from water—Flexible soft material reduces snags
- Plug contains integrated strain relief and keyed design with thumbprint locator
- Accepts 8 AWG and 6 AWG wire

- Potencia continua de 70A (12V y 24V) durante 1 hora. Potencia continua de 60A (36V y 48V) durante 1 hora.
- Diseño universal para sistemas de 2 o 3 cables, 12 V, 24 V, 12/24 V, 24/36 V o 48 V
- Los sellos y cubiertas resistentes a la intemperie resguardan los contactos eléctricos contra el agua y la corrosión
- Los contactos eléctricos de bronce enchapado protegen contra la corrosión que roba potencia
- Diseño de pin flotante para un nivel máximo de conectividad y durabilidad
- La tapa impermeable sella el receptáculo contra el agua - El material suave y flexible reduce los enredos
- El enchufe tiene un diseño integrado que resiste a los tirones y tiene clave y un localizador de huella digital
- Admite cable de 6 AWG – 8 AWG

- 70A puissance continue (12 V et 24 V) pendant 1 heure. 60A puissance continue (36V et 48V) pendant 1 heure.
- Conception universelle pour systèmes à 2 ou 3 fils, de 12V, 24V, 12/24V, 24/36V ou 48V
- Les joints et couvercles résistant aux intempéries protègent les bornes électriques de l'eau et de la corrosion
- Contacts électriques en laiton plaqué protégeant de la corrosion qui sape la puissance
- Conception à broche flottante pour une connectivité et une durabilité maximales
- Le capuchon étanche protège la prise des infiltrations d'eau - matériau souple qui ne s'accroche pas
- La fiche comporte un collier de serrage intégré et une conception clavetée avec centreur à empreinte
- Accepte du fil 6 AWG et 8 AWG

MARINCO

Milwaukee, WI
marinco.com
ZJ4109 0219
Assembled in Mexico of parts made in Mexico and the USA
Montado en México con piezas hechas en México y EUA.
Assemblé au Mexique à l'aide de pièces fabriquées au Mexique et aux É.-U.

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⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
⚠ **ADVERTENCIA:** Cáncer y Daño Reproductivo - www.P65Warnings.ca.gov.
⚠ **AVERTISSEMENT:** Cancer et Troubles de l'appareil reproducteur - www.P65Warnings.ca.gov.