

# 100A Marine Grade Watertight Pin and Sleeve Plugs and Connectors

Cat. Nos. M5100C7WLEV, M5100C9WLEV, M4100C12WLEV, M5100P7WLEV, M5100P9WLEV, and M4100P12WLEV



## WARNINGS:

- **TO AVOID FIRE SHOCK, OR DEATH, TURN OFF POWER AT CIRCUIT BREAKER OR FUSE, TEST THAT POWER IS OFF BEFORE SERVICING OR WIRING** and ensure connections are made in the same sequence as existing device connections.
- These devices conform to IEC standard 60309-1 and 60309-2. The construction is such that each device cannot be mated with another IEC device of different specifications (i.e., voltage, amperage or system rating). For safety purposes, do not use a non-IEC device with these pin and sleeve devices. The specifications for non-IEC devices are established by the individual manufacturers, and may not meet IEC standards. **IMPROPER MATING OF DEVICES MAY CAUSE FIRE, SHOCK OR DEATH.**

## CAUTIONS:

- Examine devices periodically for any foreign matter that may contaminate the contacts or the insulation material separating the contacts. Contamination decreases the device's insulation properties. This increases the potential for arcing and possibly decreases the product's life and may cause fire and/or shock hazard. The frequency of inspection depends upon the degree of contamination.
- If you are unsure about any part of these instructions, consult an electrician.
- To be installed and/or used in accordance with electrical codes and regulations (Including NEC/CEC, as applicable).
- Use this device only with copper wire.
- **DO NOT** tin conductors.

PK-A3498-10-02-0A

## INSTALLATION INSTRUCTIONS

ENGLISH

### Cleaning Procedures

**WARNING: RISK OF ELECTRIC SHOCK. TURN OFF POWER AT CIRCUIT BREAKER OR FUSE. DO NOT** clean this product while undergoing electrical maintenance or service.

#### CAUTIONS:

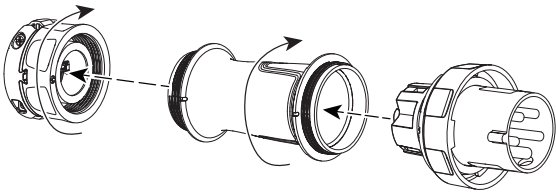
- Use only chemicals and cleaning solutions that are safe for use with plastics and rubber gaskets.
- **DO NOT** direct or concentrate high pressure water or cleaning solution on the enclosure gasket seams, switch handle area or exterior labels.

#### NOTES:

- Follow general cleaning procedures established by your facility.
- Ensure that all contact surfaces are kept clean and periodically sprayed with a corrosive-resistant electrical contact cleaner or lubricant.

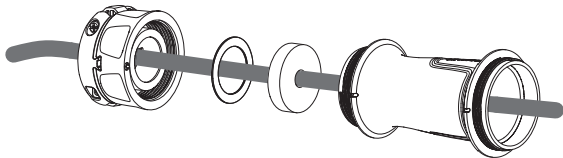
### Plug Installation

1. Unscrew saddle clamp assembly and contact carrier.



2. Position grommet (Table 1) thread clamp assembly, washer, grommet and housing onto selected wire (Table 3).

**WARNING:** To prevent property damage or personal injury, ensure use of correct grommet.



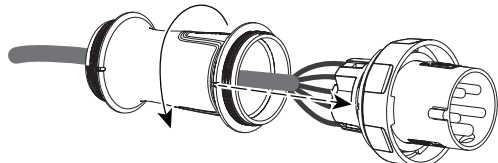
3. Cut and strip cable jacket and conductors (Table 2).

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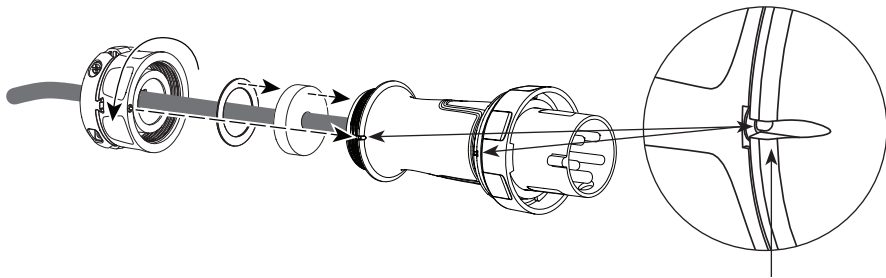
Connect wires (Table 4 and Stripping and Wiring Diagram) and tighten terminal screws.

**NOTE:** Reference torque value (Table 5). Allen key included.

4. Reconnect contact carrier.



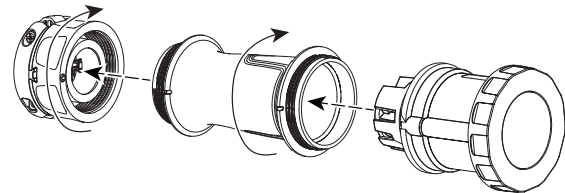
5. Slide grommet and washer down and seat firmly into housing. Slide saddle clamp assembly or screwless clamp assembly onto housing and screw on **until quick lock pin fully engages**. Tighten clamp screws (Table 5).



**NOTE: Fully engaged quick lock pin.**  
REMARQUE : Éléments de verrouillage complètement emboîtés.  
NOTA: Pasador de bloqueo rápido totalmente acoplado.

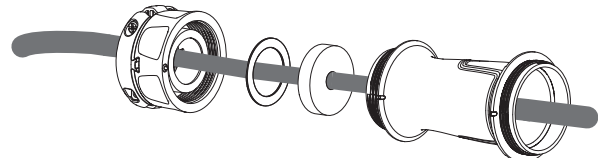
### Connector Installation

1. Unscrew saddle clamp assembly and contact carrier.



2. Position grommet (Table 1) thread clamp assembly, washer, grommet and housing onto selected wire (Table 3).

**WARNING:** To prevent property damage or personal injury, ensure use of correct grommet.



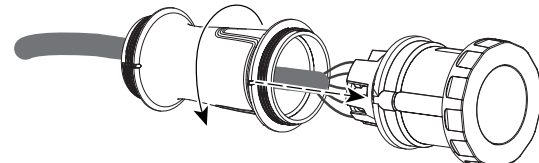
3. Cut and strip cable jacket and conductors (Table 2).

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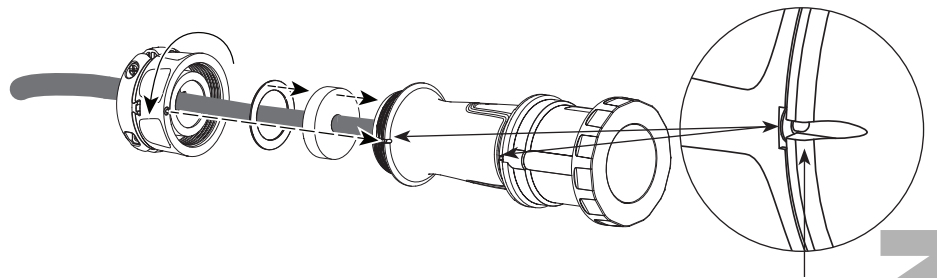
Connect wires (Table 4 and Stripping and Wiring Diagram) and tighten terminal screws.

**NOTE:** Reference torque value (Table 5). Allen key included.

4. Reconnect contact carrier.



5. Slide grommet and washer down and seat firmly into housing. Slide saddle clamp assembly or screwless clamp assembly onto housing and screw on **until quick lock pin fully engages**. Tighten clamp screws (Table 5).



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1 Grommet Usage		
Amperage	Wire Diameter	Grommet Marking
100A	0.725 - 0.85 in. 18.415 - 21.59 mm	A
100A	0.85 - 0.975 in. 21.59 - 24.765 mm	B
100A	0.975 - 1.163 in. 24.765 - 29.54 mm	C
100A	1.163 - 1.35 in. 29.54 - 34.29 mm	D
100A	1.35 - 1.475 in. 34.29 - 37.465 mm	E
100A	1.475 - 1.6 in. 37.465 - 40.64 mm	F
100A	1.6 - 1.775 in. 40.64 - 45.085 mm	G1
100A	1.775 - 1.95 in. 45.085 - 49.53 mm	G2

2 Cable Stripping Guide		
Device	Cable Jacket (A)	Conductor (B)
100A	4.25 in. 108 mm	1 in. 25 mm

**Stripping and Wiring Diagram**

Hot conductors (no specific color identification)

Green equipment grounding conductor only (or green with yellow stripes).

White or gray, system ground or neutral conductor only.

White dot and N

(See Table 3)

3 Wire Sizes							
Device	From			To			Grip Range Minimum/Maximum Wire Diameter
	AWG	COND	TYPE	AWG	COND	TYPE	
100A	#6	3 4 5	W	#1	3 4 5	W	0.725/1.89 in. 18/48 mm

4 Terminal Identification Chart	
⏏ and green color	Equipment ground conductor
N and white color	Grounded circuit conductors (neutral)
L1, L2, L3	Ungrounded circuit conductors (line, hot)
Pilot	Control circuit conductor.

5 Screw Tightening Guide in-lbs (N-m)				
Device	Terminal	Pilot Terminal Screws	Assembly Screws	Cable Clamp Screws
100A	50 (5.65)	20 (2.26)	N/A	15 (1.69)

#### FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada ULC to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.

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