

Splashproof (IP44) and Watertight (IP66/67) Pin & Sleeve Devices

16A, 32A, 63A, 125A Receptacles, Inlets, and Back Boxes



WARNINGS & CAUTIONS:

- **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!**
- Examine the devices periodically for any foreign matter that may contaminate the contacts or the insulation material separating the contacts. Contamination decreases the device's insulating properties. This increases the potential for arcing, possibly decreases the product's life and may cause fire and/or shock hazard. The frequency of inspection depends upon the degree of contamination.

WARNINGS & CAUTIONS:

- To be installed and/or used in accordance with electrical codes and regulations for NOM-001-SEDE (including NEC/CEC, as applicable).
- If you are not sure about any part of these instructions, consult an electrician.
- Use this device with **COPPER OR COPPER CLAD WIRE ONLY**.
- Check that the rating on device is correct for the installation. Check device color code for correct voltage polarization.
- Do not use non-IEC device with these Pin and Sleeve devices.
- Do not mate with IEC device of different specifications, i.e., voltage, amperage or system rating.

PK-A3025-10-01-4B

INSTALLATION

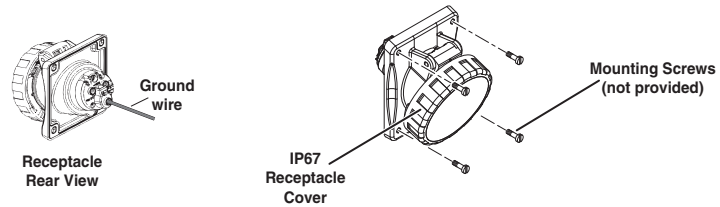
ENGLISH

16A, 32A, 63A AND 125A PANEL MOUNT RECEPTACLES FOR IP44 & IP67 DEVICES

WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
WARNING: THE MOUNTING MEANS IS NOT GROUNDED. A GROUND WIRE CONNECTION IS NEEDED.

1. Prepare installation site (see Table 4 for drill plan).
 2. Feed cable through panel (see Table 1 for wire sizes).
 3. Cut cable cleanly. Strip the insulation per Table 3 (cable stripping guide).
DO NOT TIN CONDUCTORS.
 4. Insert conductors into proper terminals (refer to Table 2)
 5. Tighten terminal screws as follows: For 16A & 32A: 7 In-Lbs (0.8 Nm), For 63A: 17.7 In-Lbs (2 Nm), For 125A: 88.5 In-Lbs (10 Nm).
 6. Tighten Pilot contact screw (63A & 125A only), For 63A: 4.4 In-Lbs (0.5 Nm), For 125A: 7 In-Lbs (0.8 Nm).
 7. Mount the Receptacle using the four mounting screws. Tighten screws as follows: For 16A & 32A: 10.6 In-Lbs (1.2 Nm), For 63A & 125A: 22.13 In-Lbs (2.5 Nm) (see Figure 1).
- INSTALLATION IS COMPLETE**

FIGURE 1 16A, 32A, 63A, & 125A PANEL MOUNTED RECEPTACLE IP67 SHOWN



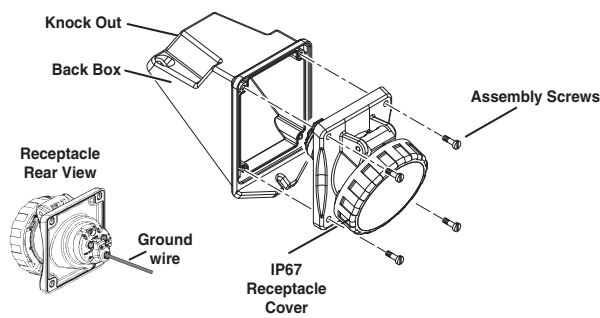
16A, 32A, 63A AND 125A SURFACE MOUNT RECEPTACLES FOR IP44 & IP67 DEVICES

WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
WARNING: THE MOUNTING MEANS IS NOT GROUNDED. A GROUND WIRE CONNECTION IS NEEDED.

NOTE: For 16A and 32A Back Boxes only drill conduit opening for cable entry using drill mark location on Back Box.
NOTE: Back Box mounting screws are not supplied.
NOTE: Use Non-Metallic conduit only.

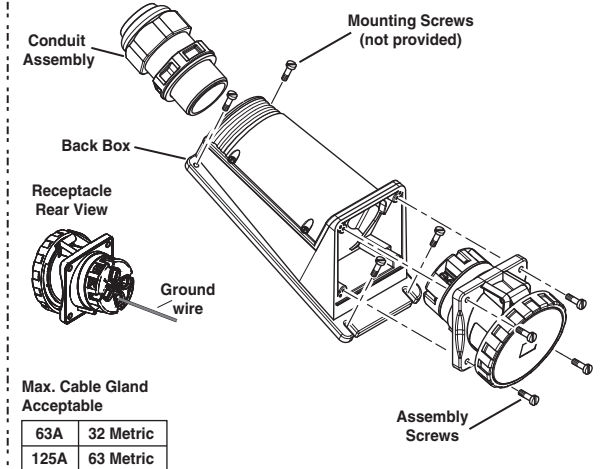
1. Unfasten the assembly screws and remove the receptacle from the Back Box.
 2. Prepare installation site and mount the back box. Feed cable through Back Box (see Table 1 for wire sizes).
 3. Cut cable cleanly. Strip the insulation per Table 3 (cable stripping guide).
DO NOT TIN CONDUCTORS.
 4. Insert conductors into proper terminals (refer to Table 2)
 5. Tighten terminal screws as follows: For 16A & 32A: 7 In-Lbs (0.8 Nm), For 63A: 17.7 In-Lbs (2 Nm), For 125A: 88.5 In-Lbs (10 Nm).
 6. Tighten Pilot contact screw: For 63A: 4.4 In-Lbs (0.5 Nm), For 125A: 7 In-Lbs (0.8 Nm).
 7. Mount the receptacle to the back box using the four assembly screws. Tighten screws as follows: For 16A & 32A: 10.6 In-Lbs (1.2 Nm), For 63A & 125A: 22.13 In-Lbs (2.5 Nm).
 8. Tighten Conduit Assembly as follows: For 16A & 32A: Conduit not supplied, For 63A: Conduit 62 In-Lbs (7 Nm), For 125A: Conduit 101.8 In-Lbs (11.5 Nm), (see Figures 2 & 3).
- INSTALLATION IS COMPLETE**

FIGURE 2 16A & 32A SURFACE MOUNTED RECEPTACLE & BACK BOX IP67 SHOWN



Max. Cable Gland Acceptable		
	16A	32A
Metric	20	25
PG ¹	13.5	21

FIGURE 3 63A & 125A SURFACE MOUNTED RECEPTACLE & BACK BOX IP67 ONLY



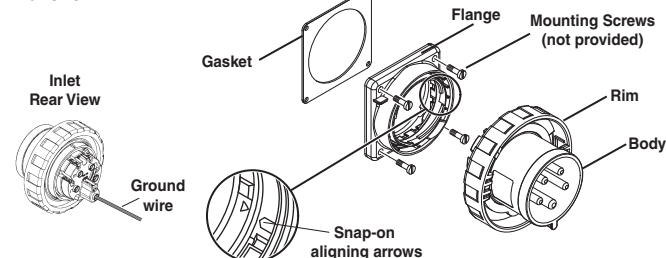
Max. Cable Gland Acceptable		
	63A	32 Metric
	125A	63 Metric

16A & 32A INLETS FOR IP44 & IP67 DEVICES

WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
WARNING: THE MOUNTING MEANS IS NOT GROUNDED. A GROUND WIRE CONNECTION IS NEEDED.

1. Prepare installation site. (see Table 4 for drill plan).
 2. Separate Body from Flange (supplied in the open position) by lining up arrows. To disengage Body from Flange when locked, place a screwdriver on spring clip, press in and while pressing in rotate the body counterclockwise from the Flange and separate (see Figure 4).
 3. Feed cable through Panel, Gasket and Flange (see Table 1 for Wire Sizes).
 4. Cut cable cleanly. Strip the insulation per Table 3 (cable stripping guide).
DO NOT TIN CONDUCTORS.
 5. Insert conductors into proper terminals (refer to Table 2).
 6. Tighten terminal screws 7 In-lbs (0.8 Nm).
 7. Slide Body into Flange using the aligning arrows. Rotate Body clockwise into Flange until the spring clip locks (listen for click).
 8. Align Gasket with Flange. Mount device on panel. Tighten mounting screws 17.7 In-Lbs (2 Nm).
- INSTALLATION IS COMPLETE**

FIGURE 4: 16A & 32A INLET IP67 SHOWN



63A & 125A INLETS FOR IP67 DEVICES

WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
WARNING: THE MOUNTING MEANS IS NOT GROUNDED. A GROUND WIRE CONNECTION IS NEEDED.

1. Prepare installation site. (see Table 4 for drill plan).
 2. Loosen four Body assembly screws.
NOTE: Screws are captivated in the Housing.
 3. Feed cable through Panel, Gasket and Flange (see Table 1 for Wire Sizes).
 4. Cut cable cleanly. Strip the insulation per Table 3 (cable stripping guide).
DO NOT TIN CONDUCTORS.
 5. Insert conductors into proper terminals (refer to Table 2).
 6. Tighten terminal screws: For 63A: 17.7 In-Lbs (2 Nm), For 125A: 88.5 In-Lbs (10 Nm).
 7. Tighten Pilot contact screw: For 63A: 4.4 In-Lbs (0.5 Nm), For 125A: 7 In-Lbs (0.8 Nm).
 8. Attach Body to Flange. Attach Gasket to Inlet. Mount device on panel. Tighten mounting screws 22.13 In-Lbs (2.5 Nm), (see figure 5).
- INSTALLATION IS COMPLETE**

FIGURE 5: 63A & 125A INLET IP67 ONLY

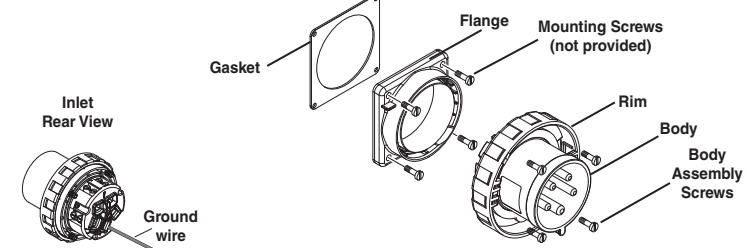


Table 1: Cable/Wire Sizes

Amps	Poles Wires	From		To	
		AWG	mm ²	AWG	mm ²
16	2P+E 3P+E 3P+N+E	16	1.5	12	4
32	2P+E 3P+E 3P+N+E	14	2.5	8	10
63*	2P+E 3P+E 3P+N+E	10	6	4	25
125*	2P+E 3P+E 3P+N+E	4	25	2/0	70

Table 2: Terminal Identification

Terminal	Description
G, Green	Equipment Grounding Conductor
N (Neutral)	System Ground Conductor
L1, L2, L3	Line Conductors
Pilot (used on 63A and 125A)	Control Circuit Conductor

Table 3: Cable/Wire Stripping Guide

Amps	No. Wires	Strip Length			
		A		B	
		in.	mm	in.	mm
16	3	1.575	40	.395	10
	4	1.970	50	.395	10
	5	2.360	60	.395	10
32	3	1.970	50	.590	15
	4	2.360	60	.590	15
63	3-5	3.0	76	.750	19
	3-5	3.5	89	1.06	27

* Pilot conductors, #14 to #10 AWG.
 Select Conductors of a size having suitable ampacity.

63A Pilot Conductors Strip Length, A 2.99 in. (76 mm), B 0.67 in. (17 mm).
 125A Pilot Conductors Strip Length, A 2.76 in. (70 mm), B 0.51 in. (13 mm).

Table 4: Drill Plan and Dimension Chart

Device	Unit	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G
16A Receptacle	Inch (mm)	2.76 (70)	2.56 (65)	2.20 (56)	2.87 (73)	0.18 (4.5)	4.33 (110)	A/2
32A Receptacle	Inch (mm)	3.54 (90)	2.99 (76)	2.68 (68)	3.42 (87)	0.18 (4.5)	4.33 (110)	A/2
63A Receptacle	Inch (mm)	3.35 (85)	3.15 (80)	3.15 (80)	3.62 (92)	0.26 (6.5)	4.72 (120)	1.75 (44.5)
125A Receptacle	Inch (mm)	3.54 (90)	3.62 (92)	3.54 (90)	4.10 (104)	0.26 (6.5)	5.51 (140)	A/2
16A & 32A Inlet	Inch (mm)	2.36 (60)	N/A	2.36 (60)	2.36 (60)	0.22 (5.5)	4.33 (110)	N/A
63A Inlet	Inch (mm)	3.35 (85)	N/A	3.15 (80)	3.35 (85)	0.24 (6)	4.72 (120)	N/A
125A Inlet	Inch (mm)	3.94 (100)	N/A	3.94 (100)	3.74 (95)	0.24 (6)	5.51 (140)	N/A

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS
 Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option. For details visit www.leviton.com or call 1-800-824-3005. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

For Technical Assistance Call: 1-800-824-3005 (USA Only) or 1-800-405-5320 (Canada Only) www.leviton.com

WEB VERSION

