

ArcArrest® Switch-Rated Pin and Sleeve

Plugs, Receptacles, Connectors, and Inlets
Ratings: 30A, 60A

LEVITON®

WARNINGS:

- **TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
- **TO AVOID PERSONAL INJURY OR PROPERTY DAMAGE, DO NOT** install to control a load in excess of the specified rating.
- To be installed and/or used in accordance with electrical codes and regulations.
- If you are not sure about any part of these instructions, consult an electrician.

CAUTIONS:

- No user serviceable components. DO NOT attempt to service or repair.
- Use this device WITH COPPER WIRE ONLY.

PK-A3529-10-00-0A-W

INSTALLATION INSTRUCTIONS

ENGLISH

Product Description

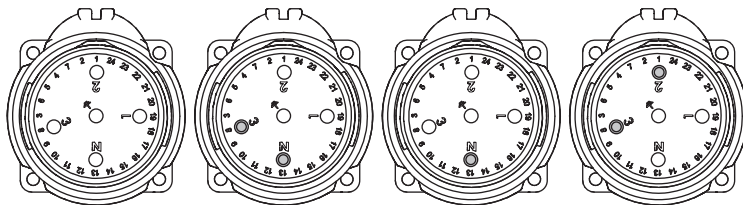
ArcArrest devices are plugs, receptacles, connectors, and inlets that provide the safety and functionality of a switch. They may be operated safely in an energized state and are ideally suited for use as a "line of sight" disconnect in branch and motor circuits.

ArcArrest devices are rated as Branch Circuit Disconnect switches at 30A and 60A, respectively. They are also Motor Circuit Disconnect switches at the HP levels shown in the table below.

Motor Circuit Disconnect HP Levels			
Voltage	Pin Configuration	30A HP	60A HP
125VAC	1P+N+G	1 HP	2 HP
250VAC	2P+G	3 HP	3 HP
3Ø250VAC	3P+G	5 HP	7.5 HP
125/250VAC	2P+N+G	N/A	N/A
208VAC	2P+G	N/A	N/A
3Ø208VAC	3P+G	5 HP	7.5 HP
3ØY120/208VAC	3P+N+G	N/A	7.5 HP
277VAC	1P+N+G	N/A	N/A
480VAC	2P+G	N/A	N/A
3Ø480VAC	3P+G	10 HP	20 HP
3ØY277/480VAC	3P+N+G	N/A	20 HP
600VAC	2P+G	N/A	N/A
3Ø600VAC	3P+G	N/A	N/A
3ØY347/600VAC	3P+N+G	N/A	N/A

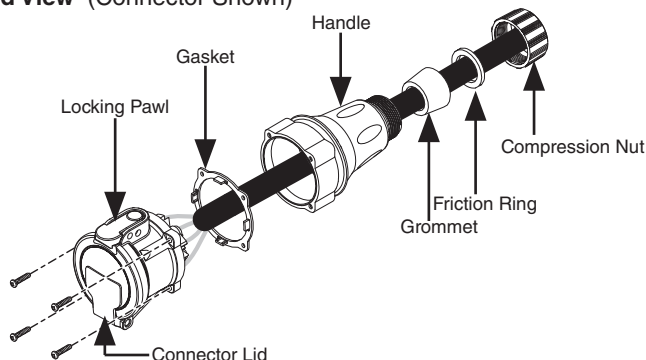
Short Circuit Current Rating		
Device	Rating	Protected By
30A	10kA Close & Withstand SCCR at 600V	60A, RK1 Fuse
60A	10kA Close & Withstand SCCR at 600V	110A, RK1 Fuse

View of Pin Configuration on a Male Inlet

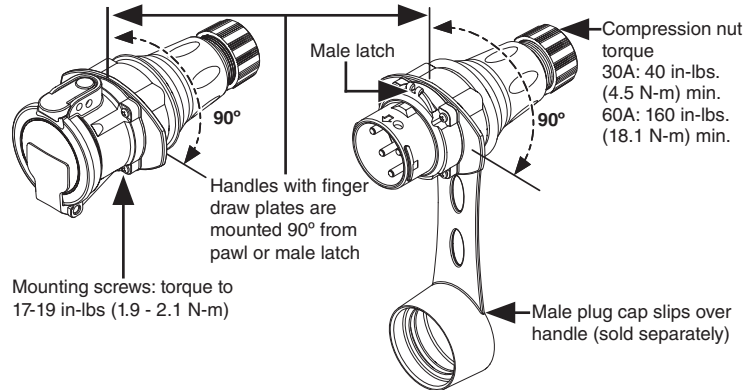


Terminal Identification	
Marking	Conductor
⏚	Ground - Equipment Grounding Conductor
N	Neutral - Grounded Circuit Conductor
1, 2, 3	Phases - Ungrounded Circuit Conductors

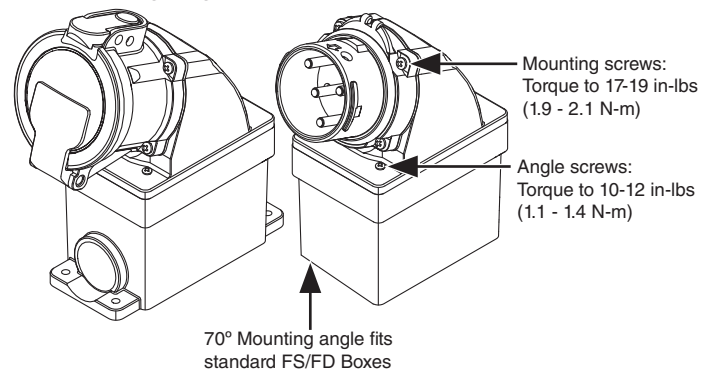
Exploded View (Connector Shown)



View Using Optional Handles - Fasteners and Gaskets Provided



70° Mounting Angle - Fasteners and Gaskets Provided

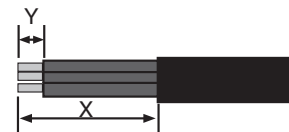


Conductor Installation and Preparation

WARNING: TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER SUPPLYING THIS EQUIPMENT AND CONFIRM POWER IS OFF, before installing, removing or servicing this equipment.

- Use only stranded, copper conductors.
- Terminal wiring capacity is based upon THHN wire.
- Reference appropriate codes for selection of proper wire gauge based on required ampacity and whether individual conductors are used versus cords.

Strip cord jacket and conductors as shown



Terminal Wiring Capacity			Terminal Screw Torque Levels	
Device	Min. AWG	Max. AWG	Device	Torque
30A	#12	#8	30A	15 in-lbs. (1.7 N-m)
60A	#8	#4	60A	15 in-lbs. (1.7 N-m)

Wire and Jacket Strip Lengths		
Device	X	Y
30A	3.50 in. (88.9 mm)	0.63 in. (16.0 mm)
60A	4.25 in. (108.0 mm)	0.75 in. (19.1 mm)

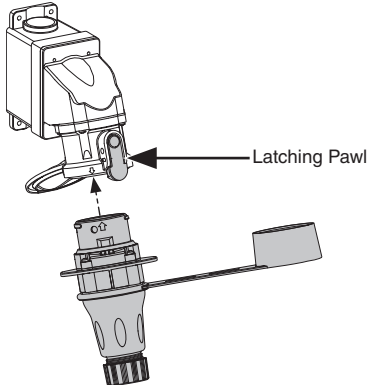
WEB VERSION

Cord Diameter Range for Handles		
Device	Wire Diameter	Grommet Color
30A	0.50 - 0.63 in. (12.7 - 15.88 mm)	Grey
	0.63 - 0.75 in. (15.88 - 19.05 mm)	Orange
	0.75 - 0.88 in. (19.05 - 22.23 mm)	Black
60A	0.75 - 0.88 in. (19.05 - 22.23 mm)	Orange
	0.88 - 1.0 in. (22.23 - 24.40 mm)	Yellow
	1.0 - 1.12 in. (25.4 - 28.58 mm)	Black

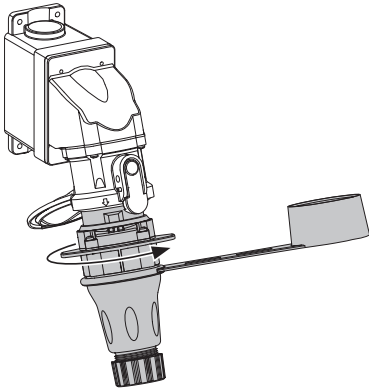
Box or Panel Mounted Receptacles

Mount receptacle with latching pawl at top to resist forces from plug and cable weight.

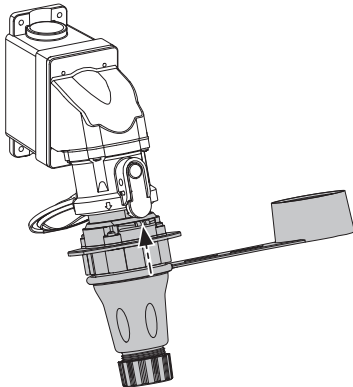
1. Line up the arrow on the plug and receptacle at the 10 o'clock position.



2. Rotate the plug clockwise to the 12 o'clock position.



3. Fully insert plug into receptacle until it latches with the spring-loaded pawl.



ENVIRONMENTAL INFORMATION

ArcArrest devices are protected from water and dust ingress to Type 4X and IP69K, providing a very high level of environmental protection. Sealing is achieved when a plug/inlet is fully connected to a connector/receptacles, or a connector/receptacle has its lid completely closed. Temperature Range: -13°F to 140°F (-25°C to 60°C). For use at temperatures above or below this range, please contact the factory.

TRADEMARK DISCLAIMER

Use herein of other third party trademarks, service marks, trade names, brand names and/or product names are for informational purposes only, are/may be the trademarks of their respective owners; such use is not meant to imply affiliation, sponsorship, or endorsement.

PATENT STATEMENT

Patents covering this product, if any, can be found on leviton.com/patents

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.

LIMITED 1 YEAR WARRANTY

For Leviton's limited 1 year product warranty, go to www.leviton.com. For a printed copy of the warranty, call 1-800-824-3005.

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

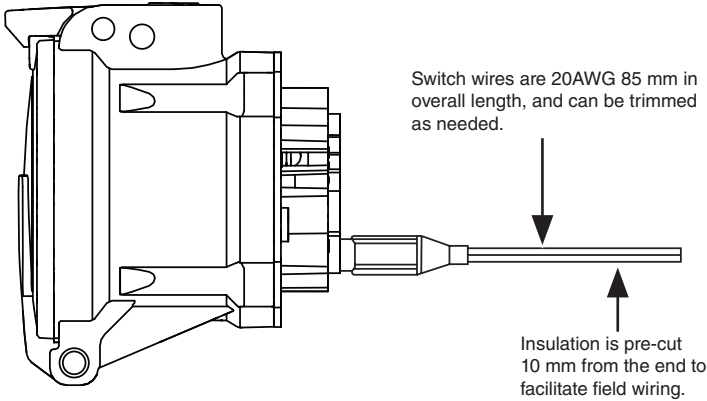
Auxiliary Switch Option

Switch Operation and Properties

WARNING: TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER SUPPLYING THIS EQUIPMENT AND CONFIRM POWER IS OFF, before installing, removing or servicing this equipment.

CAUTIONS:

- Use only with 120VAC 60 Hz or 28VDC
- Do not exceed maximum rating as indicated on the device



- SPST, Normally Open.
- Switch closes when the male plug is fully engaged with the receptacle.
- 120VAC or 28VDC, 3A max. **Resistive loads only.**
- Not designed to operate inductive loads. Used as a dry contact to sense whether a plug is mated or disconnected from the receptacle.
- Switch is "**Last Make, First Break**": power and ground contacts will close before the switch is closed. When the plug is ejected, the switch will open before the power and ground contacts open.
- Devices equipped with auxiliary contacts should not be connected to standard devices. Auxiliary receptacles should be mated with auxiliary plugs.

Wiring Diagram

