

Important Safety Instructions

READ AND SAVE THESE INSTRUCTIONS - DO NOT DISCARD

⚠ DANGER

ELECTRIC SHOCK, EXPLOSION, AND ARC FLASH HAZARDS

All wiring must be done by qualified personnel to ensure compliance with all applicable installation codes and regulations.

Disconnect and lockout all DC and AC sources that are powering this equipment and any connected equipment before installing, servicing, and performing any upgrades.

Always wear proper personal protective equipment (PPE) before working on or inside this equipment.

Always use a properly rated voltage sensing device to check the presence of potential and residual energy.

Do not route and mix DC cables and wires with AC cables and wires within the same compartment.

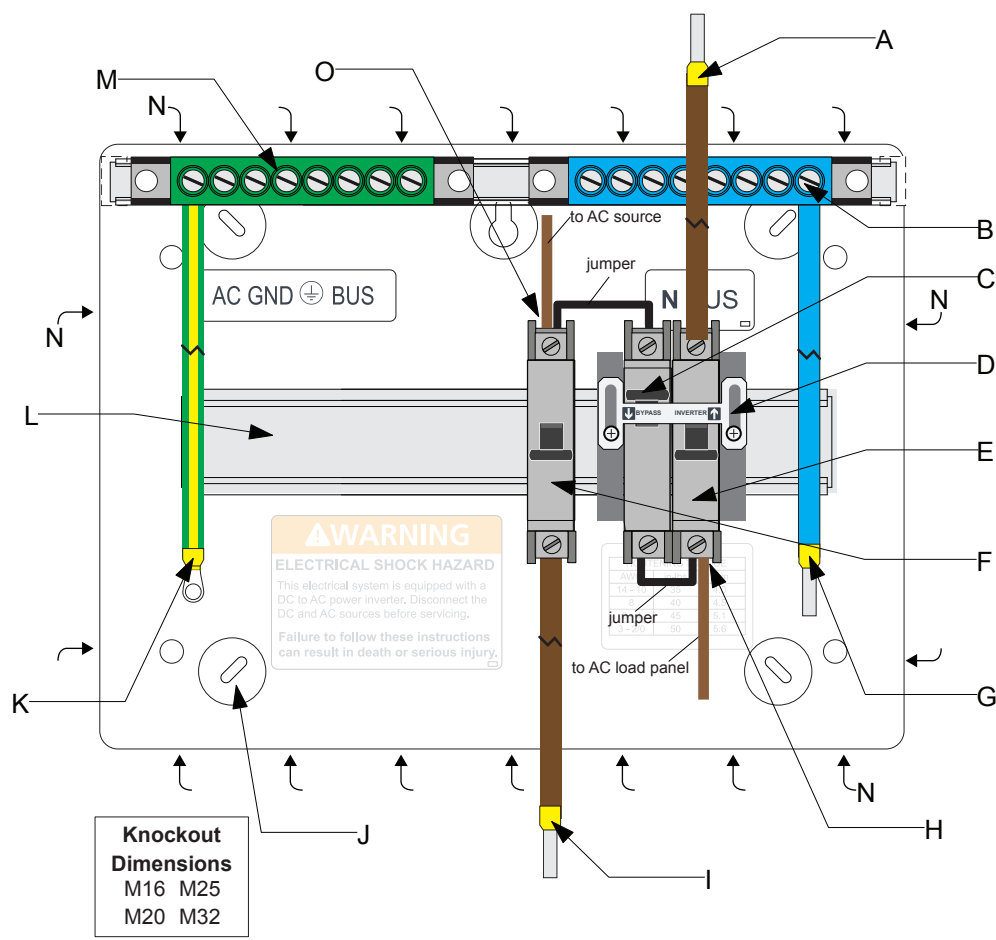
Failure to follow these instructions will result in death or serious injury.

NOTICE

EQUIPMENT DAMAGE

Do not remove the pre-installed Handle Interlock device (item D).

Failure to follow these instructions can cause equipment damage.



Knockout Dimensions	
M16	M25
M20	M32

- A** AC OUTPUT L wire. Connect this wire to the inverter's AC OUTPUT L terminal.
- B** AC Neutral bus bar (blue). Attach other Neutral wires to a vacant terminal. Use proper torque (values posted inside unit) to secure the wire.
- C** AC BYPASS breaker. Passes AC current through from the source to output (item H).
- D** Handle Interlock device. It prevents the bypass and output breakers from being "on" (closed) at the same time. Slide in up position to supply inverter power to loads. Slide in down position to bypass the inverter and supply power from the AC source.
- E** AC OUTPUT breaker. Provides overcurrent protection from outgoing AC current.
- F** AC INPUT breaker. Provides overcurrent protection from incoming AC current.
- G** AC Neutral wire. Connect this wire to the inverter's AC INPUT N terminal.
- H** AC OUTPUT breaker terminal. Connect a wire from the AC load panel to this terminal. Then, attach the copper jumper wire (provided) to the bypass terminal as shown.
- I** AC INPUT L wire. Connect this wire to the inverter's AC INPUT L terminal.
- J** Mounting holes (four other locations) with knockouts. Use for mounting to the wall.
- K** AC Earth ⊕ wire. Connect this wire to the inverter's earth ⊕ terminal.
- L** DIN rail. Use to mount other DIN-enabled AC breakers.
- M** AC GND "earth" ⊕ bus bar (green). Attach other earth ⊕ wires to a vacant terminal. Use proper torque (values posted inside unit) to secure the wire.
- N** AC knockouts (indicated by small arrows). Knockouts are found at all sides. Remove to pass cables and wires through.
- O** AC INPUT breaker terminal. Connect a wire from an AC source to this terminal. Then, attach the copper jumper wire (provided) to the bypass terminal as shown.
- P** AC switchgear cover. Secure the switchgear cover to the switchgear box by fastening the pre-installed screws in all four corners.

To move the interlock, loosen its screws first, slide it to position, then re-tighten its screws to secure the interlock in place.

Illustration only

alternative location

NOTE: With this option, the supplied wires (item A and I) will not reach the inverter. Use and cut appropriate wires with the same gauge and termination as the supplied wires.

Conext SW DC Switchgear (865-1016)
To order, contact a sales representative.

Materials List

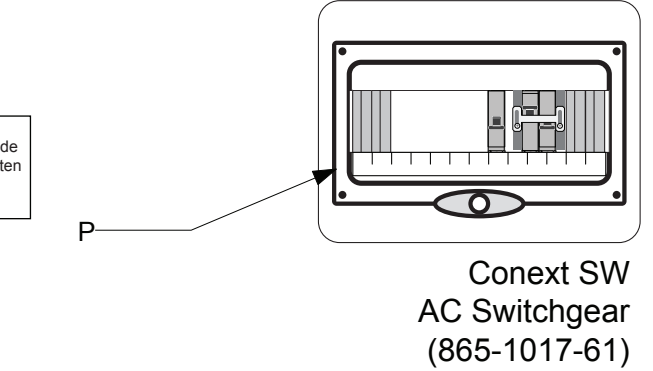
- The Conext SW AC Switchgear (865-1017-61) ships with the following items:
- 1x Installation Guide/Mounting Template
 - 1x Switchgear Box
 - 1x Switchgear Cover
 - 3x Single-pole 30-amp AC Breaker (bundled)
 - 1x Handle Interlock Device (pre-installed)
 - 2x 10AWG AC Wire (brown, pre-wired)
 - 1x 10AWG AC Wire (blue, pre-wired)
 - 1x 12AWG Ground Wire (green/yellow, pre-wired)
 - 2x Copper jumper wire

Installation

1. **Choose a location to mount the AC switchgear.** If you already have a Conext SW inverter/charger unit installed, the AC switchgear can be positioned directly underneath or on top of the inverter/charger.
NOTE: The lengths of the supplied wires are long enough for when the AC switchgear is installed below the inverter as illustrated on the right.
2. **Remove the AC switchgear cover.** There are four screws that secure the cover. Be careful not to damage the plastic threads of the anchors the screws go into.
3. **Mount the AC switchgear.** Use the mounting template on the back page to mark the mounting holes on the mounting surface.
4. **Make the proper wiring connections.** Use only qualified personnel to ensure compliance with all applicable installation and electrical codes and regulations.
5. **Replace the AC switchgear cover.** Secure the cover using the same screws that came with the product.

Contact Information

www.schneider-electric.com
Please contact your local Schneider Electric Sales Representative or visit the Schneider Electric website at:
<http://www.schneider-electric.com/sites/corporate/en/support/operations/local-operations/local-operations.page>



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