

Industrial Grade

Locking Devices NEMA L5-30

Product:

Hart-Lock® Locking Devices 2-Pole, 3-Wire Grounding 30A 125V/AC Receptacles, Plugs, Connectors, Flanged Inlets, Flanged Outlets

Application:

Our Hart-Lock® locking mechanism engages and disengages easily, with a simple twist. Made to provide the safest, most dependable wiring device performance available, our Industrial Specification Grade locking devices meet or surpass the most stringent industry standards. Our nylon devices are high performance connecting products for use in high abuse areas such as industrial plants, institutional locations and commercial job sites. They meet or exceed the latest requirements of industry performance standards and design standards such as NEMA, ANSI, UL, and Federal Specifications.

Design Features & Benefits:

Receptacles:

- Heavy duty, glass reinforced nylon body reduces breakage. Heat stabilized material suitable for 140°C/284°F continuous use, which exceeds UL94 operating temperature of 60°C.
- Clearly marked rating, NEMA configuration and approval listings on single receptacle face.
- One-piece brass alloy contacts provide excellent plug retention and continuity in the grounding and power circuits
- The rugged heavy duty mounting strap is double riveted to body for added strength.

Plugs & Connectors:

- Nylon body designed for high abuse areas, suitable for 105°C/221°F continuous use, which exceeds UL 94 operating temperature of 60°C.
- “Dead Front” construction complies with NEC requirements.
- Neoprene dust and moisture cord seal limits entry of contaminants into terminal compartment.
- Back wire terminals have lead-in tapers for ease of wiring and individual wiring compartments for fast wire insertion.

Flanged Inlets/Outlets:

- Nylon body designed for high abuse areas, suitable for 105°C/221°F continuous use, which exceeds UL 94 operating temperature of 60°F
- “Dead Front” construction complies with NEC requirements.
- Back wire terminals have lead-in tapers for ease of wiring and individual wiring compartments for fast wire insertion.

Technical Specifications

TESTING & CODE COMPLIANCE

Receptacles and Flanged Outlets: Listed to UL Standard 498, file no. E2369, UL Federal Specification WC-596 Listed (except Isolated Ground receptacles), CSA certified to C22.2 no. 42 (file no. LR7087), ANSI/UL 498-2006

Plugs, Connectors and Flanged Inlets: Listed to UL Standard 498, file no. E3663, UL Federal Specification WC-596 Listed, cUL certified to CSA C22.2 no. 42 (file no. E3663), ANSI/UL 498-2006

SPECIFICATIONS

Environmental:

Flammability: V2 per UL 94; Receptacles V0 per UL 94

Operating Temperature: -40° C to 60° C

Electrical:

Dielectric Voltage: Withstands 2,000V per UL498

Current Interrupting: Yes, at full-rated current

Temperature Rise: Max 30° C after 200 cycles of overload

Mechanical:

Receptacles #14 - #8 AWG

Product Identification: Ratings permanently marked on the device

Plugs and Connectors Cord Grip Range: 0.38”-1.00” (9.5mm-25.4mm)

MATERIALS

Receptacles:

Cover (top): Glass-filled nylon (black)
 Base: Glass-filled nylon (black)
 Contact Springs: .040” Brass
 Clamp: .040” Brass
 Ground Contact: .040” Brass
 Bridge Mounting Strap: .050” Zinc-plated steel
 Back Plate: .040” Nickel-plated brass

Terminal Screws: #10-32 Brass (Nickel-plated neutral screw)
 Grounding Screw: #10-32 Brass (green)
 Mounting Screws: Zinc-plated steel
 Auto Ground Clip: Nickel-plated steel (isolated ground version only)

Plugs & Connectors:

Gasket/Dust Shield: Neoprene rubber
 Cord Clamp Screws: Zinc-plated steel
 Cord Clamps: Black nylon
 Cord Clamp Inserts: Gray or red nylon
 Terminal Retainer: Clear polycarbonate

Outer Shell: Black nylon
 Interior Body (Blade/Contact Carrier): Natural (white) nylon
 Assembly Screws: Zinc-plated steel
 Blades/Contacts: Brass
 Terminal Clamps: Steel
 Terminal Screws: #10-32 Brass (Nickel-plated neutral screw)
 Ground Screw: #10-32 Brass (green)

Flanged Inlets/Outlets:

Flanged Casing: Black nylon
 Interior Body (Blade/Contact Carrier): Natural (white) nylon
 Terminal Retainer: Clear polycarbonate
 Blades/Contacts: Brass
 Drive Screws: Steel, zinc-plated

Terminal Clamp: Steel
 Terminal Screws: #10-32 Brass (Nickel-plated neutral screw)
 Grounding Screw: #10-32 Brass (green)
 Mounting Screws: Steel, zinc-plated

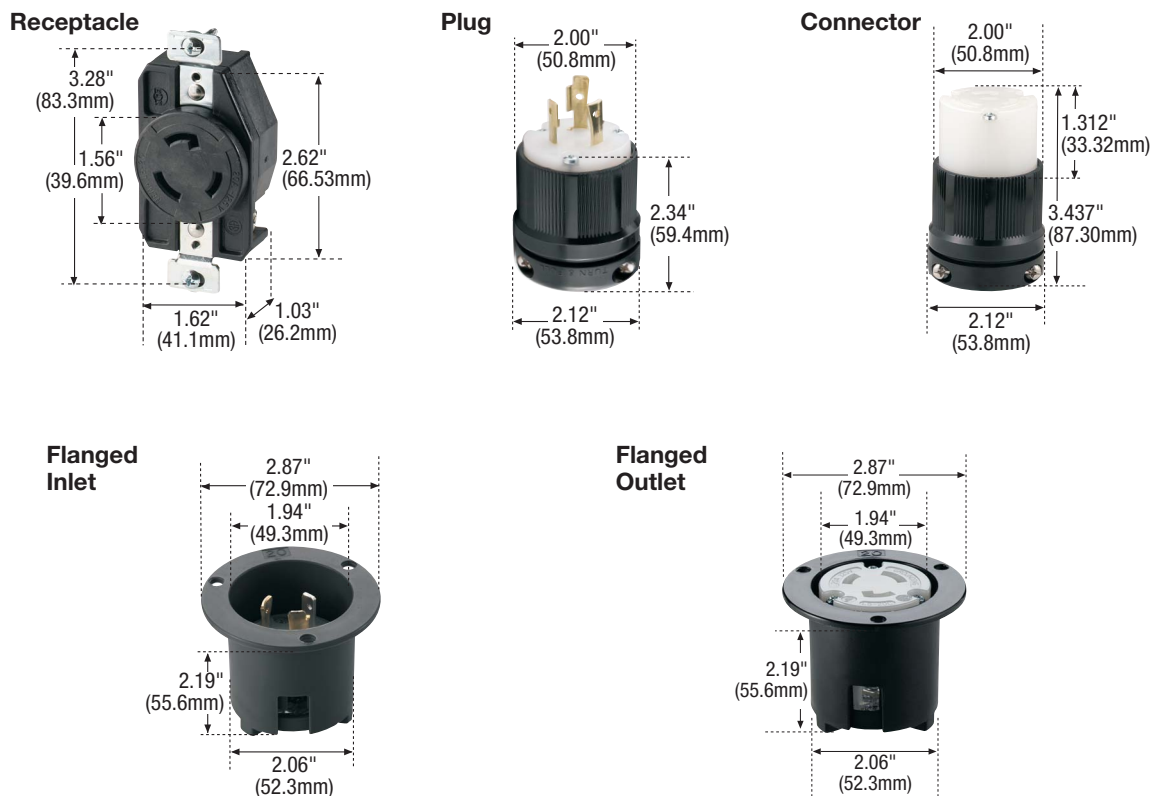


Product Specifications

Catalog Nos. **CWL530R, IGL530R,**
CWL530P, IGL530P, CWL530C,
CWL530FI, CWL530FO

COOPER Wiring Devices

Dimensions:



Ordering Information:

NEMA L5-30 Industrial Locking Devices: 2-Pole, 3-Wire Grounding 30A 125V/AC

Description	CWD Catalog Number					
	Color	Receptacle	Plug	Connector	Flanged Inlet	Flanged Outlet
Industrial	Black & White	—	<input type="checkbox"/> CWL530P	<input type="checkbox"/> CWL530C	<input type="checkbox"/> CWL530FI	<input type="checkbox"/> CWL530FO
Industrial	All Black	<input type="checkbox"/> CWL530R	—	—	—	—
Isolated Ground	Orange	<input type="checkbox"/> IGL530R	<input type="checkbox"/> IGL530P	—	—	—

Basic Weather Protective Accessories for NEMA L5-30 Industrial Locking Devices

Description	CWD Catalog Number
Weather protective boot for L5-30 Hart-Lock plugs mated with other devices, and connector when mated with inlet	<input type="checkbox"/> BM1
Weather protective boot for L5-30 Hart-Lock connector when mated with BM1 booted plug	<input type="checkbox"/> BM2
Weather protective glass filled nylon 30A flanged inlet/outlet cover, single, vertical mount	<input type="checkbox"/> WP2
Weather protective deluxe die-cast aluminum 30A Hart-Lock receptacle cover, vertical mount for FS/FD boxes	<input type="checkbox"/> WLRS2
Weather protective standard die-cast aluminum 30A Hart-Lock receptacle cover, vertical mount for FS/FD boxes	<input type="checkbox"/> 7420
302/304 stainless steel standard size power outlet 1-gang wallplate with 1.594" hole	<input type="checkbox"/> 93111

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Project Name:	
Project Number:	Date:
Prepared By:	