

Industrial grade L23-30 locking devices

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



AHL2330P



AHL2330C



AHL2330R



AHL2330FO

Description

NEMA L23-30 30A, 3ØY 347/600V/AC, 4P-5W



L23-30R L23-30P

Design features for plugs & connectors

- All nylon construction
- EPDM gasket seals cord hole from dust and debris
- Back wire terminal clamps for easy secure wiring
- Individual wiring compartments with tapered channel for easy insertion of wires
- Clear cover over wiring compartments allows easy inspection of wiring terminations
- Rating printed on side of device
- Largest-in-class grommet size allows for entire cord size range

Design features for receptacles

- Rugged glass filled nylon body
- Clearly marked rating, NEMA configuration and approval listings on receptacle face
- One piece brass contacts offer superior performance and minimum heat rise
- Back and side wiring terminal clamps for easy, secure wiring

Design features for flanged inlet & outlet

- All nylon construction
- Mounting holes interchangeable with competitive units
- Back wire terminal clamps for easy, secure wiring
- Individual wiring compartments with tapered channel for easy insertion of wires

Table 1. NEMA L23-30 Industrial Grade Locking Devices

Catalog No.	Description	Amps	Volts	Color
☐ AHL2330P	Ultra grip plug, 3-phase	30	347/600	Black & white
☐ AHL2330PF	Ultra grip plug, flat cable, 3-phase	30	347/600	Black & white
☐ AHL2330C	Ultra grip connector, 3-phase	30	347/600	Black & white
☐ AHL2330CF	Ultra grip connector, flat cable, 3-phase	30	347/600	Black & white
☐ AHL2330R	Single receptacle, 3-phase	30	347/600	Black
☐ AHIGL2330R	Single receptacle, isolated ground, 3-phase	30	347/600	Orange
☐ AHL2330FO	Flanged outlet, 3-phase	30	347/600	Black & white
☐ AHL2330FI	Flanged inlet, 3-phase	30	347/600	Black & white

EATON

Powering Business Worldwide

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Plugs & Connectors

NEMA L23-30 30A, 3ØY 347/600V/AC, 4P-5W

Table 2. Specifications

Catalog No.	NEMA Plugs & Connectors
NEMA Config	NEMA L23-30
Wiring Type	Back wire
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F) except flat cable: -40°C to 75°C (-40°F to 167°F)
Electrical Specifications	Dielectric Voltage: Twice the device rating + 1000V per UL498 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 50 cycles of overload at 150% of rated current (DC)
Mechanical Specifications	Terminal Accommodation: #16 - #8 AWG Voltage Ratings: Permanently marked on device

Table 3. Materials

Catalog No.	NEMA L23-30 Plugs & Connectors
NEMA Config	NEMA L23-30
Outer Shell	Nylon
Interior Body	Nylon
Terminal Retainer	Polycarbonate
Blades	Brass
Line Contacts	Bronze, tin plated
Terminal Clamps	Steel, tin plated
Terminal Screws	#10-32 brass, zinc plated (neutral screw)
Ground Screw	#10-32 brass
Assembly Screws	Steel, nickel plated
Gasket/Dust Shield	EPDM
Cord Clamp Screws	Steel, nickel plated
Cord Clamp	Nylon

Product Dimensions

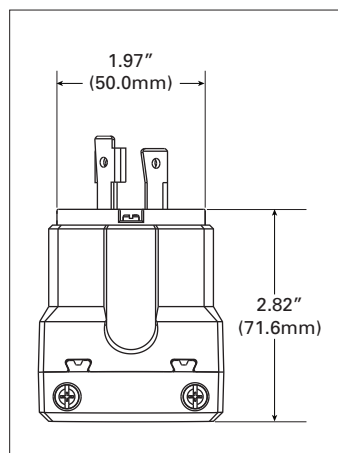


Figure 1. AHL2330P

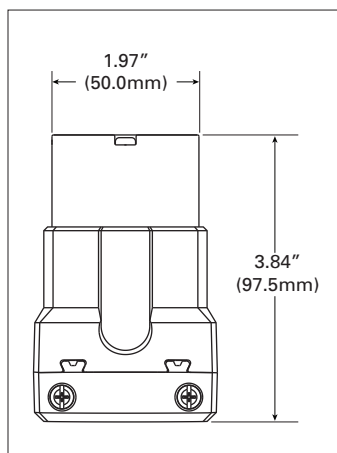


Figure 2. AHL2330C

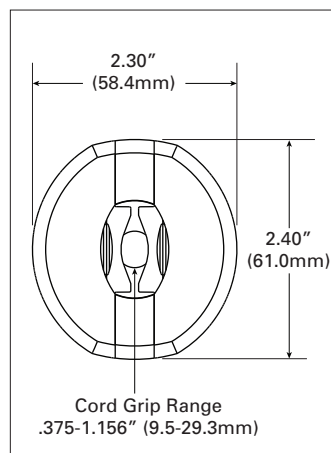


Figure 3. Base Angle

Compliances, specifications and availability are subject to change without notice.

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Project Number:	Date:
Catalog Number:	Type:

Single Receptacles

NEMA L23-30 30A, 3ØY 347/600V/AC, 4P-5W

Table 4. Specifications

Catalog No.	NEMA L23-30 Single Receptacles	NEMA L23-30 Isolated Ground Single Receptacles
NEMA Config	NEMA L23-30	NEMA L23-30
Wiring Type	Back & side wire	Back & side wire
Environmental Specifications	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 70°C (-40°F to 158°F)
Electrical Specifications	Dielectric Voltage: ≤300V: 3000V, 301-600V: 3000V per UL498 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)	Dielectric Voltage: ≤300V: 3000V, 301-600V: 3000V per UL498 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)
Mechanical Specifications	Terminal Accommodation: #14 - #8 AWG Voltage Ratings: Permanently marked on device	Terminal Accommodation: #14 - #8 AWG Voltage Ratings: Permanently marked on device

Table 5. Materials

Catalog No.	NEMA L23-30 Single Receptacles	NEMA L23-30 Isolated Ground Single Receptacles
NEMA Config	NEMA L23-30	NEMA L23-30
Face	Glass-filled nylon	Glass-filled nylon
Base	Glass-filled nylon	Glass-filled nylon
Mounting Strap	0.050" thick steel, zinc plated	0.050" thick steel, zinc plated
Line Contacts	0.041" thick brass	0.041" thick brass
Terminal Screws	#10-32 brass, nickel plated (neutral screw)	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)	#10-32 brass (green)
Terminal Clamps/Plates	0.041" thick brass	0.041" thick brass
Ground Contacts	0.041" thick brass	0.041" thick brass
Back Plate	0.041" thick brass, nickel plated	0.041" thick brass, nickel plated
Mounting Screws	Steel, zinc plated	Steel, zinc plated

Product Dimensions

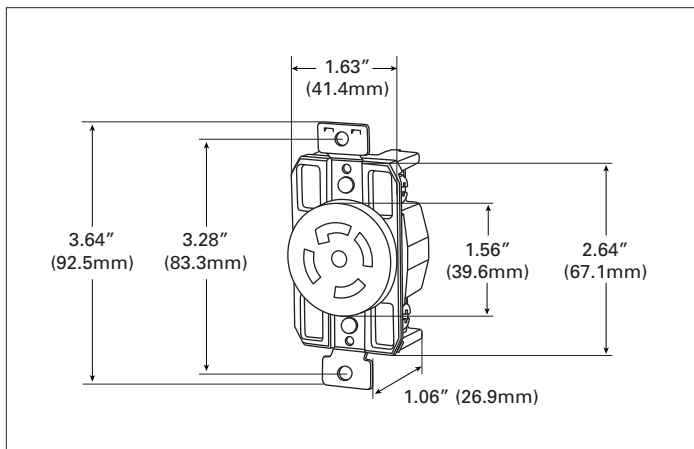


Figure 4. AHL2330R

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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Flanged Outlet & Inlet

NEMA L23-30 30A, 3ØY 347/600V/AC, 4P-5W

Table 6. Specifications

Catalog No.	NEMA L23-30 Flanged Outlet	NEMA L23-30 Flanged Inlet
NEMA Config	NEMA L23-30	NEMA L23-30
Wiring Type	Back wire	Back wire
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	Dielectric Voltage: ≤300V: 3000V, 301-600V: 3000V per UL498 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)	Dielectric Voltage: ≤300V: 3000V, 301-600V: 3000V per UL498 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) @ maximum rated current (DC)
Mechanical Specifications	Terminal Accommodation: #14 - #8 AWG Voltage Ratings: Permanently marked on device	Terminal Accommodation: #14 - #8 AWG Voltage Ratings: Permanently marked on device

Table 7. Materials

Catalog No.	NEMA L23-30 Flanged Outlet	NEMA L23-30 Flanged Inlet
NEMA Config	NEMA L23-30	NEMA L23-30
Outer Shell	Nylon	Nylon
Interior Body	Nylon	Nylon
Terminal Retainer	Polycarbonate	Polycarbonate
Blades	N/A	0.062" thick brass
Line Contacts	0.031" thick bronze	N/A
Terminal Clamps	Steel	Steel
Terminal Screws	#10-32 brass, nickel plated (neutral screw)	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)	#10-32 brass (green)
Assembly Screws	Steel, nickel plated	Steel, nickel plated
Mounting Screws	Steel, zinc plated	Steel, zinc plated

Product Dimensions

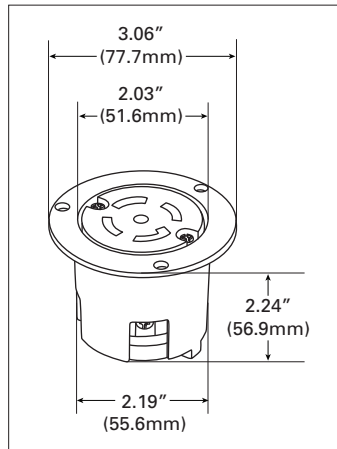


Figure 5. AHL2330FO

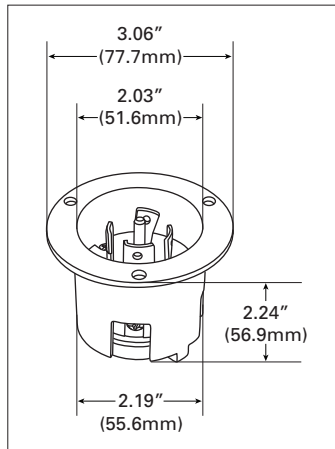


Figure 6. AHL2330FI

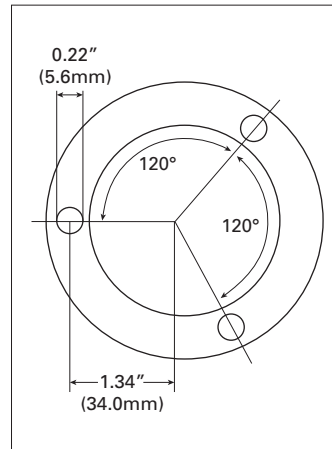


Figure 7. Top View

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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Certifications & Compliances

Catalog No.					
AHL2330P	•			•	•
AHL2330PF				•	•
AHL2330C	•			•	•
AHL2330CF				•	•
AHL2330R		•	•	•	•
AHIGL2330R		•	•		•
AHL2330FO		•	•		•
AHL2330FI	•			•	•

KEY:  cULus  UL  CSA  NAFTA  ROHS

 Parts are manufactured and designed in accordance with article 4 of the European Union's RoHS2 directive 2011/65/EU

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