

Industrial grade L17-30 locking devices

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

Description

NEMA L17-30 30A, 3Ø 600V/AC, 3P-4W



L17-30R L17-30P



AHL1730P



AHL1730C



AHL1730R



AHL1730FO

Design features for plug & connector

- 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 receptacle

- 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 L17-30 Industrial Grade Locking Devices

Catalog No.	Description	Amps	Volts	Color
<input type="checkbox"/> AHL1730P	Ultra grip plug, 3-phase	30	600	Black & white
<input type="checkbox"/> AHL1730C	Ultra grip connector, 3-phase	30	600	Black & white
<input type="checkbox"/> AHL1730R	Single receptacle, 3-phase	30	600	Black
<input type="checkbox"/> AHL1730FO	Flanged outlet, 3-phase	30	600	Black & white
<input type="checkbox"/> AHL1730FI	Flanged inlet, 3-phase	30	600	Black & white

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EATON

Powering Business Worldwide

Project Name:	Prepared By:
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Catalog Number:	Type:

Plug & Connector

NEMA L17-30 30A, 3Ø 600V/AC, 3P-4W

Table 2. Specifications

Catalog No.	NEMA L17-30 Plug & Connector
NEMA Config	NEMA L17-30
Wiring Type	Back wire
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)
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 L17-30 Plug & Connector
NEMA Config	NEMA L17-30
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

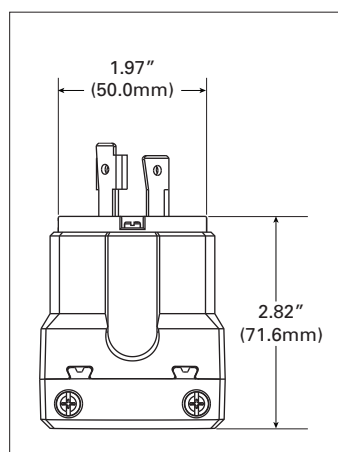


Figure 1. AHL1730P

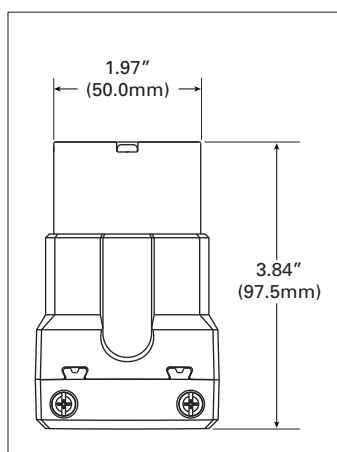


Figure 2. AHL1730C

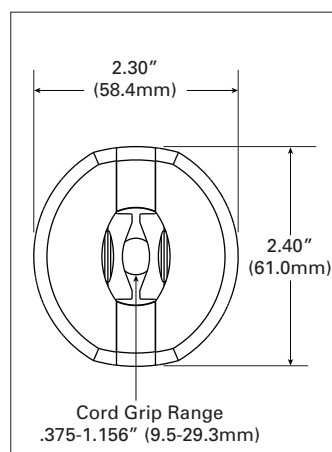


Figure 3. Base Angle

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

Single Receptacle

NEMA L17-30 30A, 3Ø 600V/AC, 3P-4W

Table 4. Specifications

Catalog No.	NEMA L17-30 Single Receptacle
NEMA Config	NEMA L17-30
Wiring Type	Back & side wire
Environmental Specifications	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	Dielectric Voltage: ≤300V: 2000V, 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

Table 5. Materials

Catalog No.	NEMA L17-30 Single Receptacle
NEMA Config	NEMA L17-30
Face	Glass-filled nylon
Base	Glass-filled nylon
Mounting Strap	0.050" thick steel, zinc plated
Line Contacts	0.041" thick brass
Terminal Screws	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)
Terminal Clamps/Plates	0.041" thick brass
Ground Contacts	0.041" thick brass
Back Plate	0.041" thick brass, nickel plated
Mounting Screws	Steel, zinc plated

Product Dimensions

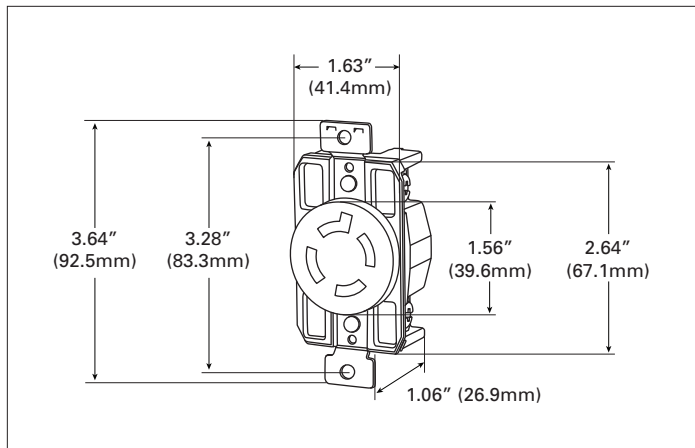


Figure 4. AHL1730R

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

Flanged Outlet & Inlet

NEMA L17-30 30A, 3Ø 600V/AC, 3P-4W

Table 6. Specifications

Catalog No.	NEMA L17-30 Flanged Outlet	NEMA L17-30 Flanged Inlet
NEMA Config	NEMA L17-30	NEMA L17-30
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: 2000V, 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: 2000V, 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 L17-30 Flanged Outlet	NEMA L17-30 Flanged Inlet
NEMA Config	NEMA L17-30	NEMA L17-30
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

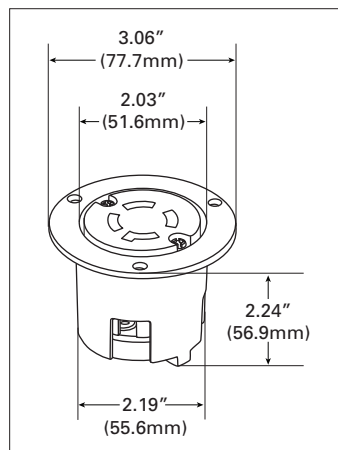


Figure 5. AHL1730FO

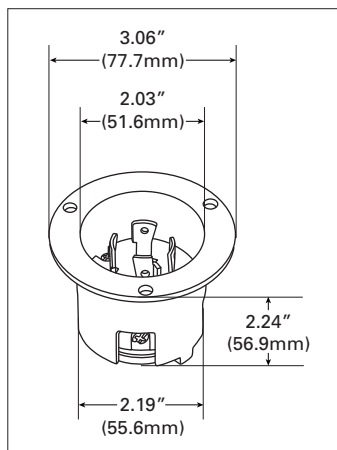


Figure 6. AHL1730FI

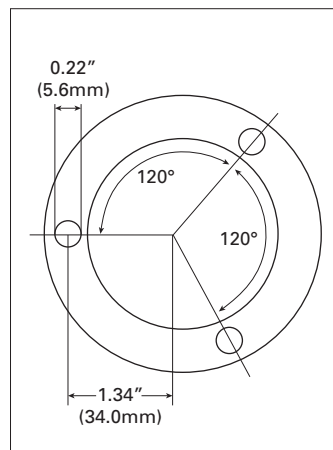












Figure 7. Top View


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Project Number:	Date:
Catalog Number:	Type:

Certifications & Compliances

Catalog No.					
AHL1730P	•			•	•
AHL1730C	•			•	•
AHL1730R		•	•	•	•
AHL1730FO		•	•	•	•
AHL1730FI	•			•	•

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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