

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



AHL530P



AHL530C



AHL530R



AHL530FO

Description

NEMA L5-30 30A, 125V/AC, 2P-3W





L5-30R



Design features for plugs & 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 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 L5-30 Industrial Grade Locking Devices

Catalog No.	Description	Amps	Volts	Color
☐ AHL530P	Ultra grip plug	30	125	Black & white
☐ AHIGL530P	Ultra grip plug, isolated ground	30	125	Orange
☐ AHL530C	Ultra grip connector	30	125	Black & white
☐ AHL530R	Single receptacle	30	125	Black
☐ AHIGL530R	Single receptacle, isolated ground	30	125	Orange
☐ AHL530F0	Flanged outlet	30	125	Black & white
☐ AHL530FI	Flanged inlet	30	125	Black & white

Powering Business Worldwide

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

Plugs & Connector

NEMA L5-30 30A, 125V/AC, 2P-3W

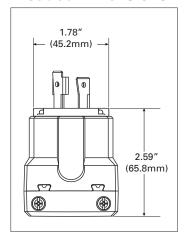
Table 2. Specifications

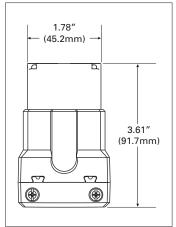
Catalog No.	NEMA L5-30 Plugs & Connector
NEMA Config NEMA L5-30	
Wiring Type Back wire	
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F) except flat cable: -40°C to 75°C (-40°F to 167°F)
Electrical Specifications	Dielectric 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 L5-30 Plugs & Connector
NEMA Config	NEMA L5-30
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





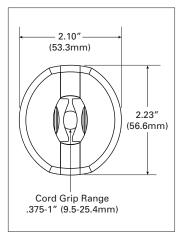


Figure 1. AHL530P

Figure 2. AHL530C

Figure 3. Base Angle

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

Single Receptacles

NEMA L5-30 30A, 125V/AC, 2P-3W

Table 4. Specifications

Catalog No.	NEMA L5-30 Single Receptacle	NEMA L5-30 Isolated Ground Single Receptacle
NEMA Config	NEMA L5-30	NEMA L5-30
Wiring Type	Back & side wire	Back & side wire
Environmental Specifications	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 70°C (-40°F to 158°F)	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 70°C (-40°F to 158°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 250 cycles of overload @ 200% 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) 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 L5-30 Single Receptacle	NEMA L5-30 Isolated Ground Single Receptacle
NEMA Config	NEMA L5-30	NEMA L5-30
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

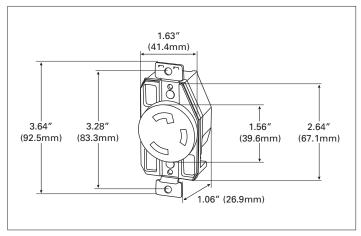


Figure 4. AHL530R

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

Flanged Outlet & Inlet

NEMA L5-30 30A, 125V/AC, 2P-3W

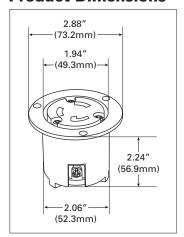
Table 6. Specifications

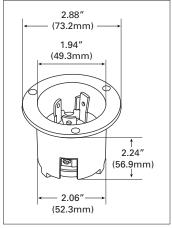
Catalog No.	NEMA L5-30 Flanged Outlet	NEMA L5-30 Flanged Inlet
NEMA Config	NEMA L5-30	NEMA L5-30
Wiring Type	Back wire	Back wire
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)	Flammability: Meets UL94 requirements; V2 rated 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 L5-30 Flanged Outlet	NEMA L5-30 Flanged Inlet
NEMA Config	NEMA L5-30	NEMA L5-30
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





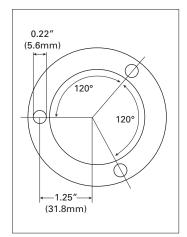


Figure 5. AHL530FO

Figure 6. AHL530FI

Figure 7. Top View

cULus

KEY:

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

Certifications & Compliances

Catalog No.	c (UL) us	(l)	⊕-	F (h) S	NOM 426	4	2
AHL530P	•				•	•	•
AHIGL530P	•						•
AHL530C	•				•	•	•
AHL530R		•	•	•		•	•
AHIGL530R		•	•			•	•
AHL530F0		•	•			•	•
AHL530FI	•					•	•

(N) UL

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

F®s Fed Spec

NOM 426 NOM

NAFTA

ROHS

③ CSA

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

Electrical Sector 203 Cooper Circle Peachtree City, GA 30269 United States Eaton.com Arrowhart.com

Electrical Sector Canada Operations 5925 McLaughlin Road Mississauga, Ontario, L5R 1B8 EatonCanada.ca Arrowhart.com

Electrical Sector Mexico Operations Carr. Tlalnepantla -Cuautitlan Km 17.8 s/n Col. Villa Jardin esq. Cerrada 8 de Mayo Cuautitlan, Mexico CP 54800 Mexico Eaton.mx Arrowhart.com



Eaton 1000 Eaton Boulevard Cleveland, OH 44122 United States Eaton.com

© 2014 Eaton All Rights Reserved Printed in USA Publication No. 125-0095-13 January 2014

Eaton is a registered trademark.

All other trademarks are property of their respective owners.





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



AHL530P



AHL530C



AHL530R



AHL530FO

Description

NEMA L5-30 30A, 125V/AC, 2P-3W





L5-30R



Design features for plugs & 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 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 L5-30 Industrial Grade Locking Devices

Catalog No.	Description	Amps	Volts	Color
☐ AHL530P	Ultra grip plug	30	125	Black & white
☐ AHIGL530P	Ultra grip plug, isolated ground	30	125	Orange
☐ AHL530C	Ultra grip connector	30	125	Black & white
☐ AHL530R	Single receptacle	30	125	Black
☐ AHIGL530R	Single receptacle, isolated ground	30	125	Orange
☐ AHL530F0	Flanged outlet	30	125	Black & white
☐ AHL530FI	Flanged inlet	30	125	Black & white

Powering Business Worldwide

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

Plugs & Connector

NEMA L5-30 30A, 125V/AC, 2P-3W

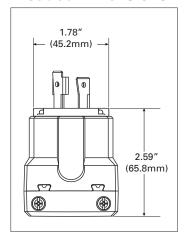
Table 2. Specifications

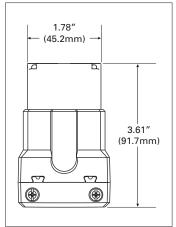
Catalog No.	NEMA L5-30 Plugs & Connector	
NEMA Config	NEMA L5-30	
Wiring Type	Back wire	
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)	
Electrical Specifications	Dielectric Voltage: Twice the device rating + 1000V per UL498 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 L5-30 Plugs & Connector
NEMA Config	NEMA L5-30
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





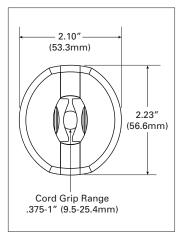


Figure 1. AHL530P

Figure 2. AHL530C

Figure 3. Base Angle

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

Single Receptacles

NEMA L5-30 30A, 125V/AC, 2P-3W

Table 4. Specifications

Catalog No.	NEMA L5-30 Single Receptacle	NEMA L5-30 Isolated Ground Single Receptacle
NEMA Config	NEMA L5-30	NEMA L5-30
Wiring Type	Back & side wire	Back & side wire
Environmental Specifications	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 70°C (-40°F to 158°F)	Flammability: Meets UL94 requirements; V0 rated Temperature Rating: -40°C to 70°C (-40°F to 158°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 250 cycles of overload @ 200% 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) 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 L5-30 Single Receptacle	NEMA L5-30 Isolated Ground Single Receptacle
NEMA Config	NEMA L5-30	NEMA L5-30
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

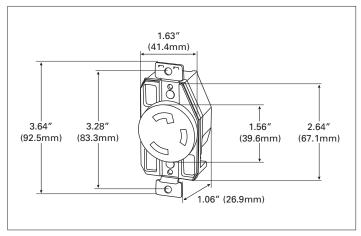


Figure 4. AHL530R

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

Flanged Outlet & Inlet

NEMA L5-30 30A, 125V/AC, 2P-3W

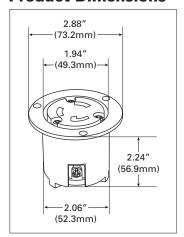
Table 6. Specifications

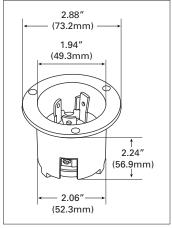
Catalog No.	NEMA L5-30 Flanged Outlet	NEMA L5-30 Flanged Inlet
NEMA Config	NEMA L5-30	NEMA L5-30
Wiring Type	Back wire	Back wire
Environmental Specifications	Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -40°C to 60°C (-40°F to 140°F)	Flammability: Meets UL94 requirements; V2 rated 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 L5-30 Flanged Outlet	NEMA L5-30 Flanged Inlet
NEMA Config	NEMA L5-30	NEMA L5-30
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





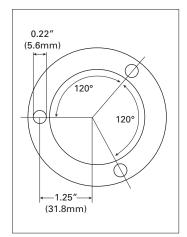


Figure 5. AHL530FO

Figure 6. AHL530FI

Figure 7. Top View

cULus

KEY:

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

Certifications & Compliances

Catalog No.	c (UL) us	(l)	⊕-	F (h) S	NOM 426	4	2
AHL530P	•				•	•	•
AHIGL530P	•						•
AHL530C	•				•	•	•
AHL530R		•	•	•		•	•
AHIGL530R		•	•			•	•
AHL530F0		•	•			•	•
AHL530FI	•					•	•

(N) UL

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

F®s Fed Spec

NOM 426 NOM

NAFTA

ROHS

③ CSA

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

Electrical Sector 203 Cooper Circle Peachtree City, GA 30269 United States Eaton.com Arrowhart.com

Electrical Sector Canada Operations 5925 McLaughlin Road Mississauga, Ontario, L5R 1B8 EatonCanada.ca Arrowhart.com

Electrical Sector Mexico Operations Carr. Tlalnepantla -Cuautitlan Km 17.8 s/n Col. Villa Jardin esq. Cerrada 8 de Mayo Cuautitlan, Mexico CP 54800 Mexico Eaton.mx Arrowhart.com



Eaton 1000 Eaton Boulevard Cleveland, OH 44122 United States Eaton.com

© 2014 Eaton All Rights Reserved Printed in USA Publication No. 125-0095-13 January 2014

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

