

Locking device families

The industry's most complete line of locking industrial devices

Arrow Hart offers the most rugged, feature-rich, broadest line of quality locking devices to meet the specific needs of demanding industrial applications



Locking devices

The widest range of NEMA and non-NEMA devices, designed and built with superior materials for long lasting performance.



50A locking devices

Rugged pro grip, armored and marine grade 50A locking devices are ideal for harsh construction and industrial applications.



Power lock devices

Power lock devices offer a positive engagement single-post design in rugged nylon or armored shell housings for reliable service.



Flat cable devices

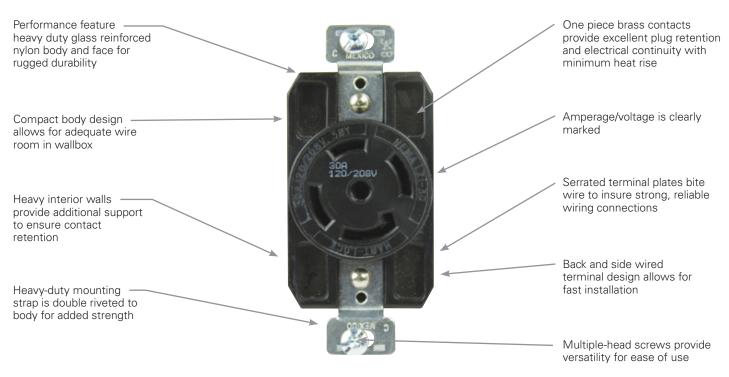
Flat cable plugs & connectors are designed specifically for 4-pole, 5-wire flat cable applications in convention and exhibit halls or other high-traffic flat-cable environments.



See Section D for a complete line of watertight, severe-duty and corrosion resistant locking devices.

Locking devices

Industrial receptacles features & benefits



Industrial flanged inlets & outlets features & benefits





Locking devices

Industrial grade 30A locking devices

Product description

2-pole, 3-wire grounding 30A, 250V/AC NEMA L6-30





L6-30R

☐ IGL630R*

L6-30P





AHL630C



AHL630R



AHL630FO

Industrial grade plugs & connectors

Description

Standard industrial Isolated ground

Ra	ating			Cord		Plug	Connector	
Α	V/AC	NEMA	Description	diameter	Color	catalog no.	catalog no.	♣ €
30	250	L6-30	Ultra grip straight body	0.38-1.00" (9.5-25.4mm)	BK & W	□ AHL630P	□ AHL630C	• •

Color

ВК

RN

Industrial grade receptacles

NEMA

L6-30







Single receptacle		ROHS	
□ AHL630R	•	•	

250

Rating V/AC

Industrial grade inlets & outlets



Ra	nting V/AC	NEMA	Description	Color	Flanged inlet	Flanged outlet	4	(V)
30	250	L6-30	Standard industrial	BK	□ AHL630FI	—	•	•
			Standard industrial	BK & W		☐ AHL630F0 [†]	•	•

[†]Only UL Listed & CSA Certified

Accessories for NEMA L6-30 locking devices

Description	Catalog no.	RoHS
Neoprene weather protective boot for 20/30A, 3-W locking plug	□ BM1	•
Neoprene weather protective boot for 20/30A, 3-W locking connector	□ BM2	•





BM1

BM2

Dimensional information: C-76-C-78

Plug & connector specification information:

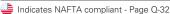
L6-30: C-84
Receptacle specification information:
L6-30: C-87 Isolated ground L6-30: C-87 Flanged inlet & flanged outlet specification information:

Color information:

BK (Black), RN (Orange), W (White)



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





L6-30: C-89

^{*}Not Fed Spec

Locking device dimensional data





Locking plugs



Family	Α	В	C	Cord diameter
NEMA L9-20, L9-30	1.83" (47.5mm)	2.13" (54.1mm)	2.85" (72.3mm)	0.30-0.95" (7.6-16.7mm)
NEMA L12-20, L12-30, L13-30	1.83" (47.5mm)	2.13" (54.1mm)	2.85" (72.3mm)	0.38-1.00" (9.5-25.4mm)

Locking connectors



Family	Α	В	C	Cord diameter
NEMA L9-20, L9-30	1.83" (47.5mm)	3.44" (87.3mm)	2.12" (53.8mm)	0.30-0.95" (7.6-16.7mm)
NEMA L12-20, L12-30, L13-30	1.83" (47.5mm)	3.90" (99.1mm)	2.13" (54.1mm)	0.38-1.00" (9.5-25.4mm)

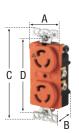
Locking receptacles







Family	Α	В	С	D
Single receptacle, 15A & 10/15A locking	3.28" (83.3mm)	0.76" (19.3mm)	4.03" (102.4mm)	1.38" (34.8mm)
Single receptacle, 20/10A locking	1.62" (41.1mm)	2.62" (66.5mm)	1.03" (26.2mm)	3.28" (83.3mm)
Single receptacle, 20A locking 2-P, 3-W & 3-P, 3-W	1.62" (41.1mm)	2.62" (66.5mm)	1.03" (26.2mm)	3.28" (83.3mm)
Single receptacle, 30A locking 2-P, 3-W & 3-P, 3-W	1.62" (41.1mm)	2.62" (66.5mm)	1.12" (28.5mm)	3.28" (83.3mm)
Single receptacle, 20A locking 3-P, 4-W; 4-P, 4-W & 4-P, 5-W	1.62" (41.1mm)	2.62" (66.5mm)	1.03" (26.2mm)	3.28" (83.3mm)
Single receptacle, 30A locking 3-P, 4-W; 4-P, 4-W & 4-P, 5-W	1.62" (41.1mm)	2.62" (66.5mm)	1.12" (28.5mm)	3.28" (83.3mm)
Duplex receptacle, 15A & 10/15A locking	1.54" (39.1mm)	0.75" (19.1mm)	4.19" (106.4mm)	3.28" (83.3mm)



Locking devices specification & performance data



Industrial grade 15A, 20A & 30A locking receptacles

Product description

2-pole, 3-wire grounding; 3-pole, 3-wire non-grounding; 3-pole, 4-wire grounding; 4-pole, 4-wire non-grounding; 4-pole, 5-wire grounding

Device type	20A single receptacles: NEMA L5-20, L6-20, L7-20, L8-20, L9-20, L10-20, L11-20, L12-20, L14-20, L15-20, L16-20, L18-20, L19-20, L20-20, L21-20, L22-20, L23-20, non-NEMA 20A	30A single receptacles: NEMA L5-30, L6-30, L7-30, L8-30, L9-30, L10-30, L11-30, L12-30, L13-30, L14-30, L15-30, L16-30, L17-30, L18-30, L19-30, L20-30, L21-30, L22-30, L23-30, non-NEMA 30A	20A & 30A isolated ground single receptacles: NEMA L5-20, L6-20, L7-20, L8-20, L5-30, L6-30, L7-30, L8-30, L14-20, L15-20, L16-20, L14-30, L15-30, L16-30, L21-20, L22-20, L23-20, L23-30, L23-30	15A & 20A receptacles, 2-pole, 2-wire: NEMA L1-15, L2-20
Wiring type	Back & side wire	Back & side wire	Back & side wire	Back & side wire
Testing & code compliance	 Listed to UL498, file no. E2369 NEMA L5-20, L6-20, L7-20, L10-20, L14-20, L15-20, L18-20 & L21-20 also UL verified to Fed Spec WC-596G 	 Listed to UL498, file no. E2369 NEMA L5-30, L6-30, L7-30, L14-30, L15-30, L20-30, L21-30, L23-30 also UL verified to Fed Spec WC-596G 	 Listed to UL498, file no. E2369 CSA certified to C22.2, no. 42 except NEMA L5-30 NOM certified, except for L7-20, L8-20, L6-30, L7-30, L8-30, L16-20, L21-30, L22-30, L23-30 	• Listed to UL498, file no. E2369
	 CSA certified to C22.2, no.42 except 7310B, NEMA L11-20, L12- 20, 7410B, L18-20, L19-20, L20-20 NEMA L11-20, L14-20, L15-20, L18-20, L21-20, L22-20 also 	 CSA certified to C22.2, no. 42 except NEMA L11-20, L12-20, AH3330-2, L10-30, L11-30, L12-30, L13-30, AH3430, L18-30, L19-30, L20-30 NEMA L5-30, L10-30, L11-30, L14-30, L15-30, L18-30 also 		
	NOM certified	NOM certified		
Environmental specifications	Flammability: Meets UL94 requirements, V0 rated Temperature rating: -40°C to 60°C	Flammability: Meets UL94 requirements, V0 rated Temperature rating: -40°C to 60°C	Flammability: Meets UL94 requirements, V0 rated Temperature rating: -40°C to 70°C	Flammability: Meets UL94 requirements, V0 rated Temperature rating: -40°C to
	(-40°F to 140°F)	(-40°F to 140°F)	(-40°F to 158°F)	105°C (-40°F to 221°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 200 cycles of overload	Dielectric voltage: ≤300V: 2000V, 301-600V: 3000V per UL498 Current interrupting: Yes, at full-rated current Temperature rise: Max. 30°C (86°F) after 200 cycles of overload	Dielectric voltage: ≤300V: 2000V, 301-600V: 3000V per UL498 Current interrupting: Yes, at full-rated current Temperature rise: Max. 30°C (86°F) after 200 cycles of overload	Dielectric voltage: ≤300V: 2000V, 301-600V: 3000V per UL498 Current interrupting: Yes, at full-rated current Temperature rise: Max. 30°C (86°F) after 100 cycles of overload
BA 1 1 1 10 40 41	@ 200% of rated current (DC)	@ 200% of rated current (DC)	@ 200% of rated current (DC)	@ 150% of rated current (DC)
Mechanical specifications	Terminal accommodation: #14 - #8 AWG	Terminal accommodation: #14 - #8 AWG	Terminal accommodation: #14 - #8 AWG	Terminal accommodation: #14 - #10 AWG
	Voltage ratings: Permanently marked on device	Voltage ratings: Permanently marked on device	Voltage ratings: Permanently marked on device	Voltage ratings: Permanently marked on device
Materials	Face: Glass-filled nylon Base: Glass-filled nylon Mounting strap: .050" thick steel, zinc plated	Face: Glass-filled nylon Base: Glass-filled nylon Mounting strap: .050" thick steel, zinc plated	Face: Glass-filled nylon Base: Glass-filled nylon Mounting strap: .050" thick steel, zinc plated	Face: Glass-filled nylon Base: Glass-filled nylon Mounting strap: .050" thick steel, zinc plated
	Line contacts: 0.042" thick brass	Line contacts: 0.042" thick brass	Line contacts: 0.042" thick brass	Line contacts: 0.032" thick brass, bronze
	Terminal screws: #10-32 brass, neutral screw nickel plated	Terminal screws: #10-32 brass, neutral screw nickel plated	Terminal screws: #10-32 brass, neutral screw nickel plated	Terminal screws: #8-32 steel, nickel plated
	Ground screw: #10-32 brass, green Contact springs: .040" thick brass	Ground screw: #10-32 brass, green Contact springs: .040" thick brass	Ground screw: #10-32 brass, green Contact springs: .040" thick brass	Ground screw: #8-32 brass, green Contact springs: 0.032" thick brass, bronze
	Terminal clamps/plates: .040" thick brass	Terminal clamps/plates: .040" thick brass	Terminal clamps/plates: .040" thick brass	Terminal clamps/plates: 0.070" thick steel, zinc plated
	Ground contacts: .040" thick brass Back plate: .040" thick brass, nickel plated	Ground contacts: .040" thick brass Back plate: .040" thick brass, nickel plated	Ground contacts: .040" thick brass Back plate: .040" thick brass, nickel plated	Ground contacts: N/A Back plate: N/A
	Mounting screws: Steel, zinc plated	Mounting screws: Steel, zinc plated	Mounting screws: Steel, zinc plated	Mounting screws: Steel, zinc plated