Watertight locking devices

Innovative solutions for watertight locking applications

Arrow Hart's watertight locking devices utilize a unique, robust design and superior materials to provide watertight security in harsh environments

Watertight receptacles, plugs & connectors features & benefits

Spring-loaded self-closing flip lid cover ensures a watertight seal to NEMA Type 4X when the receptacle is not in use

Glass-filled nylon cover and exterior shell provide impact resistance in harsh environments

Stainless steel mounting and assembly screws provide corrosion resistance
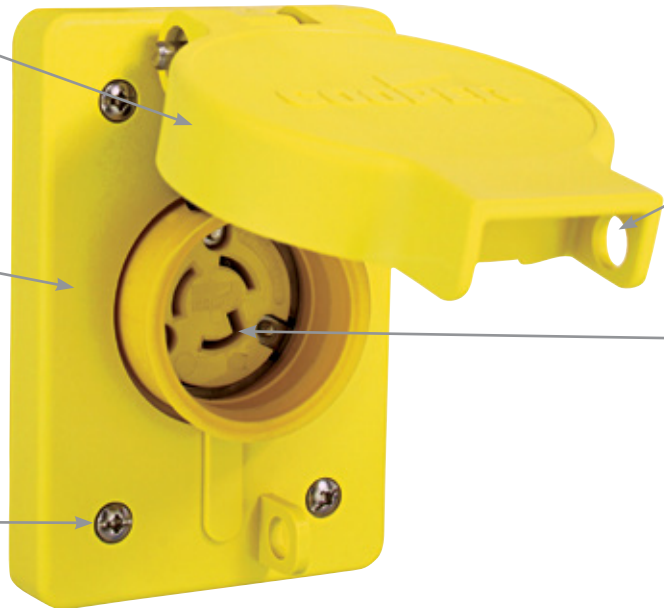
Lockable cover provides means of lockout/tagout

Nickel plated power contacts and terminal assemblies provide corrosion resistance

Nickel plated contacts, blades and terminal screws provide corrosion resistance

Tri-combo stainless steel assembly screws provide corrosion resistance

Tapered individual wire pockets guide wire into contact area for ease of installation
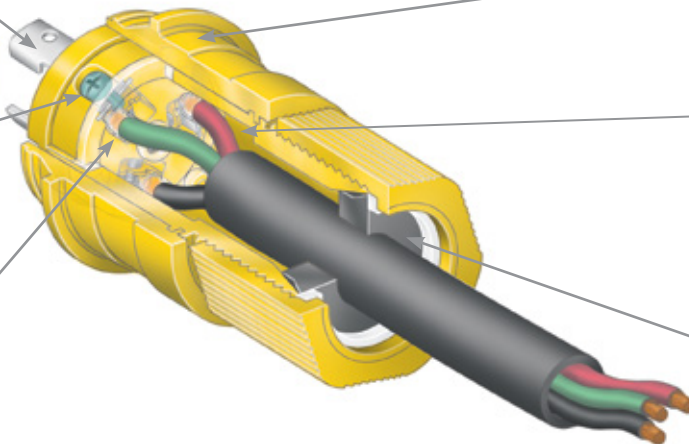
Innovative sealing system provides multipoint watertight seal

Glass reinforced polypropylene interior and Santoprene™ elastomeric exterior molded together for watertight seal and rugged support
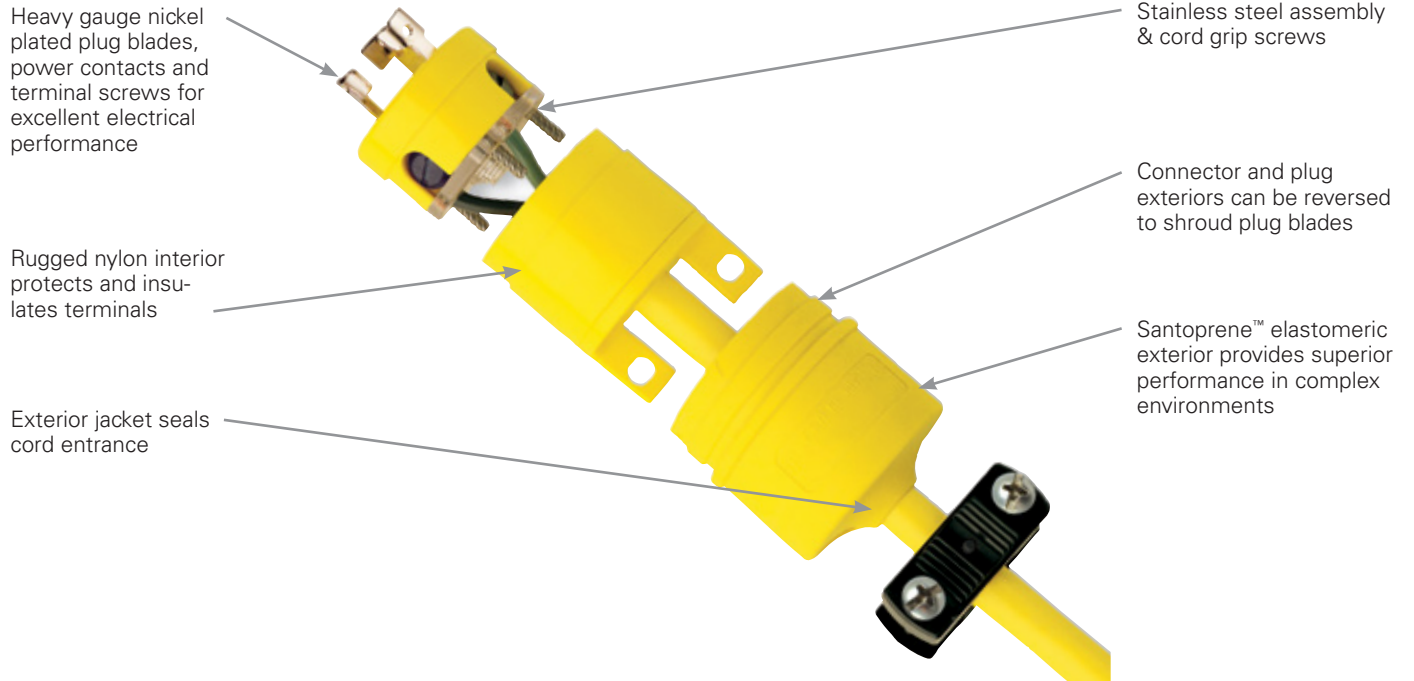
Santoprene™ grommet ensures a watertight seal

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

Severe duty locking devices

Heavy duty devices for industrial applications

Arrow Hart's unique line of severe duty locking devices are designed and built tough for use in demanding environments with exposure to heat, oil, chemicals, and impact

Severe duty plugs & connectors features & benefits

Heavy gauge nickel plated plug blades, power contacts and terminal screws for excellent electrical performance

Rugged nylon interior protects and insulates terminals

Exterior jacket seals cord entrance

Stainless steel assembly & cord grip screws

Connector and plug exteriors can be reversed to shroud plug blades

Santoprene™ elastomeric exterior provides superior performance in complex environments

Tri-combo stainless steel assembly screws provide corrosion resistance

Tapered individual wire pockets guide wire into contact area for ease of installation

Santoprene™ thermoplastic elastomeric exterior outperforms rubber when exposed to moisture, chemicals, oils, UV exposure and ozone attack

Cord grip accommodates broad cable range and relieves strain
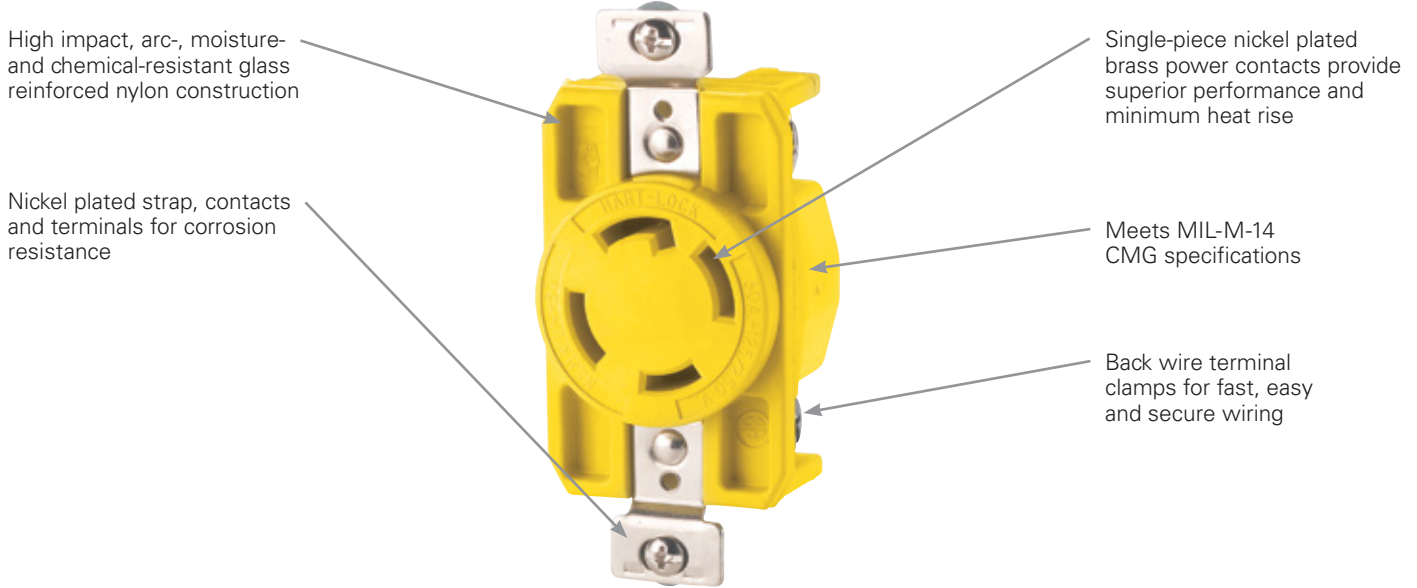
Corrosion resistant locking devices

Designed specifically for longevity in harsh, corrosive environments

Perfect for industrial or commercial applications, corrosion resistant locking devices are engineered to deliver long, dependable performance in moisture, humidity, and corrosive environments

Corrosion resistant receptacles features & benefits

High impact, arc-, moisture- and chemical-resistant glass reinforced nylon construction

Nickel plated strap, contacts and terminals for corrosion resistance

Single-piece nickel plated brass power contacts provide superior performance and minimum heat rise

Meets MIL-M-14 CMG specifications

Back wire terminal clamps for fast, easy and secure wiring

Corrosion resistant plugs & connectors features & benefits

Nickel plated blades for added corrosion resistance

Individual wiring compartments with tapered channels for easy insertion of wires

Neoprene gasket seals cord opening for added protection against contaminants

Heavy-duty nylon shell construction for use in the most extreme environments

Clear cover over wiring compartments allows easy inspection of wiring terminations

Multiple-head screws provide versatility for ease of use

Santoprene™ grommets ensure watertight seal at cord entrance

Locking devices

Complex environment locking devices

Product description

3-pole, 4-wire grounding
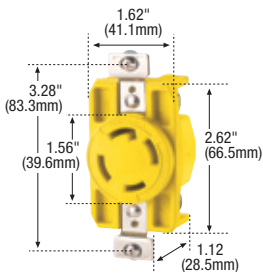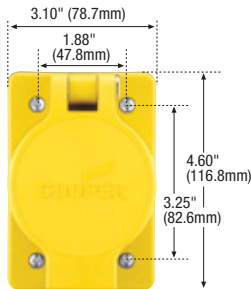30A, 125/250V/AC
NEMA L14-30

L14-30R **L14-30P**

Plugs & connectors   cULus NOM 426

A	Rating V/AC	NEMA	Description	Cord diameter	Color	Plug catalog no.	Connector catalog no.		
30	125/ 250	L14-30	Watertight	0.43-1.15" (10.9-29.2mm)	Y	□ L1430PW	□ L1430CW	•	•
			Watertight	0.43-1.15" (10.9-29.2mm)	BK	□ L1430PWBK	□ L1430CWBK	•	•
			Severe duty	0.63-1.16" (15.9-29.4mm)	Y & BK	□ L1430PY	□ L1430CY	•	•
			Safety grip corrosion resistant	0.63-1.16" (15.9-29.4mm)	Y	□ CRL1430P	□ CRL1430C	•	•

Receptacles   cULus NOM 426

A	Rating V/AC	NEMA	Description	Color	Single receptacle catalog no.		
30	125/ 250	L14-30	Watertight	Y	□ L1430RW	•	•
			Watertight	BK	□ L1430RWBK	•	•
			Corrosion resistant	Y	□ CRL1430R*	•	•

* Only UL Listed, CSA certified and Fed Spec certified

Complex environment locking devices

Product description

3-pole, 4-wire grounding
30A, 3Ø 250V/AC
NEMA L15-30

L15-30R **L15-30P**

3Ø plugs & connectors   cULus NOM 426

A	Rating V/AC	NEMA	Description	Cord diameter	Color	Plug catalog no.	Connector catalog no.		
30	250	L15-30	3Ø watertight	0.43-1.15" (10.9-29.2mm)	Y	□ L1530PW	□ L1530CW	•	•
			3Ø watertight	0.43-1.15" (10.9-29.2mm)	BK	□ L1530PWBK	□ L1530CWBK	•	•
			3Ø severe duty	0.63-1.16" (15.9-29.4mm)	Y & BK	□ L1530PY	□ L1530CY	•	•
			3Ø safety grip corrosion resistant	0.63-1.16" (15.9-29.4mm)	Y	□ CRL1530P	□ CRL1530C	•	•

3Ø receptacles   cULus NOM 426

A	Rating V/AC	NEMA	Description	Color	Single receptacle catalog no.		
30	250	L15-30	3Ø watertight	Y	□ L1530RW	•	•
			3Ø watertight	BK	□ L1530RWBK	•	•

Dimensional images (left column)

2.19" (55.6mm)
2.75" (69.9mm)
2.31" (58.7mm)
CRL1430P

2.19" (55.6mm)
1.22" (31.0mm)
3.75" (95.3mm)
2.31" (58.7mm)
CRL1430C

1.62" (41.1mm)
3.28" (83.3mm)
1.56" (39.6mm)
2.62" (66.5mm)
1.12 (28.5mm)
CRL1430R

3.10" (78.7mm)
1.88" (47.8mm)
4.60" (116.8mm)
3.25" (82.6mm)
L1430RW

Dimensional information:
D-34-35

Specification information:
Watertight industrial plugs & connectors: D-38
Watertight industrial receptacles: D-39
Severe duty industrial plugs & connectors: D-40
Corrosion resistant: D-41

Color information:

BK (Black), Y (Yellow)

BK	Y
(Black)	(Yellow)

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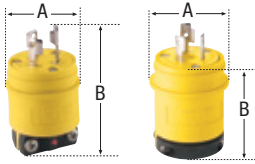Indicates NAFTA compliant - Page Q-32   RoHS compliant - Page Q-32

Locking devices dimensional data

Complex environment severe duty locking devices

Product description

15A, 20A & 30A
Locking devices

Severe duty plugs

Family	A	B	Cord diameter
15A locking	1.69" (42.9mm)	2.09" (53.1mm)	0.33-0.66" (8.4-16.7mm)
20A locking: 2-P, 3-W & 3-P, 3-W	2.39" (60.7mm)	2.86" (72.6mm)	0.38-1.00" (9.7-25.4mm)
20A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.39" (60.7mm)	2.86" (72.6mm)	0.63-1.16" (15.9-29.4mm)
30A locking: 2-P, 3-W & 3-P, 3-W	2.64" (67.1mm)	2.86" (72.6mm)	0.38-1.00" (9.7-25.4mm)
30A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.64" (67.1mm)	2.86" (72.6mm)	0.38-1.00" (9.7-25.4mm)

Severe duty connectors
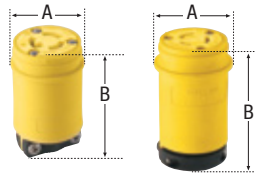
Family	A	B	Cord diameter
15A locking	1.69" (42.9mm)	2.78" (70.6mm)	0.33-0.66" (8.4-16.7mm)
20A locking: 2-P, 3-W & 3-P, 3-W	2.39" (60.7mm)	3.86" (98.0mm)	0.38-1.00" (9.7-25.4mm)
20A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.39" (60.7mm)	3.86" (98.0mm)	0.63-1.16" (15.9-29.4mm)
30A locking: 2-P, 3-W & 3-P, 3-W	2.64" (67.1mm)	3.94" (100.1mm)	0.38-1.00" (9.7-25.4mm)
30A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.64" (67.1mm)	3.94" (100.1mm)	0.38-1.00" (9.7-25.4mm)

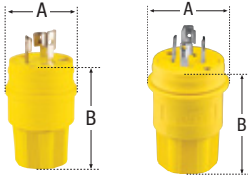**Compliances, specifications and availability are subject to change without notice.**

Locking device dimensional data

Complex environment plugs, connectors & receptacles

Product description

15A, 20A & 30A
Locking devices

Watertight plugs

Family	A	B	Cord diameter
15A locking	1.62" (41.1mm)	2.96" (75.2mm)	0.30-0.65" (7.6-16.5mm)
20A locking	2.49" (63.2mm)	3.66" (93.0mm)	0.36-0.84" (9.1-21.3mm)
30A locking	2.69" (68.3mm)	3.66" (93.0mm)	0.43-1.15" (10.9-29.2mm)

Severe duty connectors
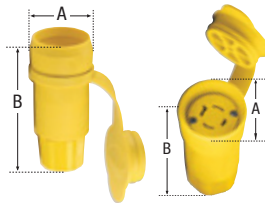
Family	A	B	Cord diameter
15A locking	1.62" (41.1mm)	4.00" (101.6mm)	0.30-0.65" (7.6-16.5mm)
20A locking	2.49" (63.2mm)	5.42" (137.7mm)	0.36-0.84" (9.1-21.3mm)
30A locking	2.69" (68.3mm)	5.42" (137.7mm)	0.43-1.15" (10.9-29.2mm)

Watertight receptacles
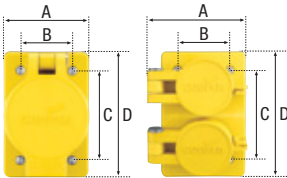
Family	A	B	C	D	Cord diameter
Single receptacle	3.10" (78.7mm)	1.88" (47.8mm)	3.25" (82.6mm)	4.60" (116.8mm)	0.30-0.65" (7.6-16.5mm)
Duplex receptacle	3.62" (91.9mm)	1.88" (47.8mm)	3.25" (82.6mm)	4.63" (117.6mm)	0.30-0.65" (7.6-16.5mm)

Watertight locking devices
specification & performance data

Complex environment watertight locking devices

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	Watertight plugs & connectors, locking configurations: L5-15, L6-15, L7-15, L7-20, L8-20, L7-30, L8-30, L10-20, L10-30, L16-20, L16-30, L17-30, L19-20, L20-20, L19-30, L20-30, L23-20, L22-30, L23-30, Non-NEMA 20A 125/250V, Non-NEMA 30A	Watertight plugs & connectors, locking configurations: L5-20, L6-20, L5-30, L6-30, L11-20, L11-30, L14-20, L15-20, L14-30, L15-30, L18-20, L18-30, L21-20, L22-20, L21-30, Non-NEMA 20A 3Ø 120/208V
Wiring type	Back wire	Back wire
Testing & code compliance	• cULus Listed to UL498, file no. E3663	• cULus Listed to UL498, file no. E3663 • NOM certified
Environmental specifications	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -40°C to 75°C (-40°F to 167°F) **Protection:** NEMA Type 4, 4X, 6, 6P & IP67 **High pressure water test:** 1000 psi spray (mated or with closure cap)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -40°C to 75°C (-40°F to 167°F) **Protection:** NEMA Type 4, 4X, 6, 6P & IP67 **High pressure water test:** 1000 psi spray (mated or with closure cap)
Electrical specifications	**Dielectric voltage:** Withstands 1500V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30°C (86°F) after 250 cycles of overload	**Dielectric voltage:** Withstands 1500V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30°C (86°F) after 250 cycles of overload
Mechanical specifications	**Terminal accommodation:** #18 - #10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #18 - #10 AWG **Voltage ratings:** Permanently marked on device
Materials	**Plug/connector outer shell:** Santoprene™ thermoplastic elastomeric over glass filled polypropylene **Interior body:** Nylon **Terminal retainer:** Clear lexan **Blades:** .069" thick brass, nickel plated **Line contacts:** .030"-.032" thick brass, nickel plated **Terminal clamps:** Steel, nickel plated **Terminal screws:** #10-32 brass, neutral screw nickel plated **Ground screw:** #10-32 brass, zinc plated, green **Assembly/ mounting screws:** Stainless steel **Compression nut:** Glass-filled nylon **Compression nut grommet:** Santoprene™	**Plug/connector outer shell:** Santoprene™ thermoplastic elastomeric over glass filled polypropylene **Interior body:** Nylon **Terminal retainer:** Clear lexan **Blades:** .069" thick brass, nickel plated **Line contacts:** .030"-.032" thick brass, nickel plated **Terminal clamps:** Steel, nickel plated **Terminal screws:** #10-32 brass, neutral screw nickel plated **Ground screw:** #10-32 brass, zinc plated, green **Assembly/ mounting screws:** Stainless steel **Compression nut:** Glass-filled nylon **Compression nut grommet:** Santoprene™

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All products on this page are RoHS compliant - Page Q-32