

Arrow Hart watertight locking plugs, connectors & receptacles

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



60W33



60W48DPLX



14W47



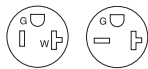
15W47



5-15R



6-15R



5-20R



6-20R

Design features for watertight locking devices

- Thermoplastic elastomeric exterior out-performs rubber when exposed to moisture, chemicals, oils, and the effects of UV exposure and ozone attack
- Mated plug and connector or plug and receptacle form a watertight seal that meets NEMA and IEC IP ratings (see specification sheet for details) and withstands water spray test at 1000 psi
- High visibility safety yellow for identification. Also available in black
- Power contacts, blades and terminal screws nickel-plated for corrosion resistance
- Quick-drive stainless steel assembly screws for corrosion resistance and fast installation
- Multiple color coded neoprene grommets for a watertight seal on a wide range of cord sizes
- Receptacles have self-closing spring loaded flip lid covers
- Santoprene™ grommets ensure watertight seal at cord entrance
- Wide range cord diameter 0.30" – 0.65"

2-pole, 3-wire grounding

15A, 125/250V/AC; 20A, 125/250V/AC
NEMA 5-15, 6-15, 5-20, 6-20

**Table 1. Straight blade plugs, connectors & receptacles
2-pole, 3-wire**

Catalog no.		Receptacle		Cord diameter	Rating		
Plug	Connector	Single	Duplex		A	V/AC	NEMA
☐ 14W47	☐ 15W47	☐ 60W47	☐ 60W47DPLX	0.30-0.65" (7.6-16.5mm)	15	125	5-15
☐ 14W49	☐ 15W49	☐ 60W49	☐ 60W49DPLX	0.30-0.65" (7.6-16.5mm)	15	250	6-15
☐ 14W33	☐ 15W33	☐ 60W33	☐ 60W33DPLX	0.30-0.65" (7.6-16.5mm)	20	125	5-20
☐ 14W48	☐ 15W48	☐ 60W48	☐ 60W48DPLX	0.30-0.65" (7.6-16.5mm)	20	250	6-20

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

EAT•N

Powering Business Worldwide

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



L530RW



65W47DPLX



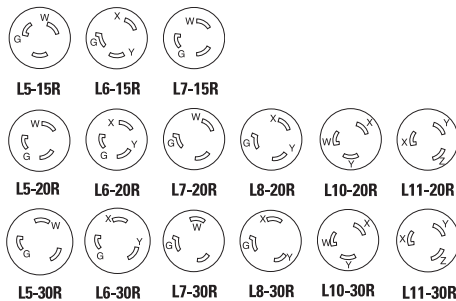
24W47



25W47



L1020PW



2-pole, 3-wire grounding

15A, 125/250/277V/AC; 20A, 125/250/277/480V/AC; 30A, 125/250/277/480V/AC
NEMA L5-15, L6-15, L7-15, L5-20, L6-20, L7-20, L8-20, L5-30, L6-30, L7-30, L8-30

Table 2. Locking devices – 2-pole, 3-wire

Catalog no.		Receptacle		Cord diameter	Rating		
Plug	Connector	Single	Duplex		A	V/AC	NEMA
☐ 24W47	☐ 25W47	☐ 65W47	☐ 65W47DPLX	0.30-0.65" (7.6-16.5mm)	15	125	L5-15
☐ 24W49	☐ 25W49	☐ 65W49	☐ 65W49DPLX	0.30-0.65" (7.6-16.5mm)	15	250	L6-15
☐ 24W34	☐ 25W34	☐ 65W34	☐ 65W34DPLX	0.30-0.65" (7.6-16.5mm)	15	277	L7-15
☐ L520PW	☐ L520CW	☐ L520RW	—	0.36-0.84" (9.1-21.3mm)	20	125	L5-20
☐ L620PW	☐ L620CW	☐ L620RW	—	0.36-0.84" (9.1-21.3mm)	20	250	L6-20
☐ L720PW	☐ L720CW	☐ L720RW*	—	0.36-0.84" (9.1-21.3mm)	20	277	L7-20
☐ L820PW	☐ L820CW	☐ L820RW*	—	0.36-0.84" (9.1-21.3mm)	20	480	L8-20
☐ L530PW	☐ L530CW	☐ L530RW	—	0.43-1.15" (10.9-29.2mm)	30	125	L5-30
☐ L630PW	☐ L630CW	☐ L630RW	—	0.43-1.15" (10.9-29.2mm)	30	250	L6-30
☐ L730PW	☐ L730CW	☐ L730RW	—	0.43-1.15" (10.9-29.2mm)	30	277	L7-30
☐ L830PW	☐ L830CW	☐ L830RW	—	0.43-1.15" (10.9-29.2mm)	30	480	L8-30

*Not NOM certified

3-pole, 3-wire non-grounding 3-pole, 4-wire grounding

20A; 125/250, 3Ø 250, 3Ø 480V/AC
30A; 125/250, 3Ø 250, 3Ø 480, 3Ø 600V/AC
Non-NEMA L10-20, L11-20, L10-30, L11-30

Table 3. Locking devices – 3-pole, 3-wire

Catalog no.		Cord diameter	Rating		
Plug	Connector		A	V/AC	NEMA
☐ 9965PW	☐ 7314CW	☐ 7314RW	20	125/250	Non-NEMA
☐ L1020PW	☐ L1020CW	☐ L1020RW	20	125/250	L10-20
☐ L1120PW	☐ L1120CW	☐ L1120RW	20	3Ø 250	L11-20
☐ L1030PW	☐ L1030CW	☐ L1030RW	30	125/250	L10-30
☐ 3331PW	☐ 3333CW	☐ 3333RW	30	125/250	Non-NEMA
☐ L1130PW	☐ L1130CW	☐ L1130RW	30	3Ø 250	L11-30

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Applications

Industrial specification grade watertight devices are ideal for applications in food and beverage, agriculture, chemical processors, shipyards, marinas and wastewater treatment environments. Watertight receptacles feature spring-loaded flip-lid covers that provide watertight protection even under 1,000 psi water spray. Plugs, connectors and receptacles comply with various NEMA and IEC ratings as listed below.

Table 8. Specifications

Device type	Watertight plugs & connectors, straight blade & locking	Watertight receptacles, straight blade & 15A locking	Watertight receptacles, 20A & 30A locking
Wiring type	Back wire	Back wire	Back wire
Testing & code compliance	- Listed to UL 498, file no. E3663 - cUL Certified to C22.2, no. 182.2	- Listed to UL 498, file no. E2369 - cUL Certified to CAN/CSA C22.2 no. 42-99	- Listed to UL 498, file no. E2369 - NOM certified
Environmental specifications	Flammability: Meets UL 94 requirements; V2 rated	Flammability: Meets UL 94 requirements; V2 rated	Flammability: Meets UL 94 requirements; V2 rated
	Temperature rating: -40°C to 75°C (-40°F to 167°F)	Temperature rating: -40°C to 75°C (-40°F to 167°F)	Temperature rating: -40°C to 75°C (-40°F to 167°F)
	Protection: NEMA 4, 4X, 6, 6P & IP67	Protection: NEMA 3, 3R, 4, 4X, 12 & IP66	Protection: NEMA 3, 3R, 4, 4X, 12 & IP66
Electrical specifications	High pressure water test: 1000 psi spray (mated or closed)	High pressure water test: 1000 psi spray (mated or closed)	High pressure water test: 1000 psi spray (mated or closed)
	Dielectric voltage: Withstands 1500V per UL 498	Dielectric voltage: Withstands 1554V per UL 498	Dielectric voltage: Withstands 1696 - 2200V per UL 498
	Current interrupting: Yes, at full-rated current	Current interrupting: Yes, at full-rated current	Current interrupting: Yes, at full-rated current
	Temperature rise: Max. 30°C (86°F) after 250 cycles of overload	Temperature rise: Max. 30°C (86°F) after 250 cycles of overload	Temperature rise: Max. 30°C (86°F) after 250 cycles of overload
Mechanical specifications	Terminal accommodation: #18 - 10 AWG	Terminal accommodation: #18 - #10 AWG	Terminal accommodation: #14 - #8 AWG
	Voltage ratings: Permanently marked on device	Voltage ratings: Permanently marked on device	Voltage ratings: Permanently marked on device

Table 9. Materials

Receptacle flip lid cover & base	N/A	Thermoplastic, glass-filled nylon	Thermoplastic, glass-filled nylon
Receptacle cover spring	N/A	Stainless steel, self-closing	Stainless steel, self-closing
Receptacle lid liner & mounting gasket	N/A	Santoprene™ thermoplastic elastomeric	Santoprene™ thermoplastic elastomeric
Plug/connector outer shell	Santoprene™ thermoplastic elastomeric over glass filled polypropylene	N/A	N/A
Interior body	Nylon	Glass-filled nylon	Glass-filled nylon
Terminal retainer	Clear polycarbonate	Clear polycarbonate	Clear polycarbonate
Blades	.060" thick brass, nickel plated	N/A	N/A
Line contacts	.032" thick copper alloy, nickel plated	.032" thick copper alloy, nickel plated	.032" thick copper alloy, nickel plated
Ground shunt	N/A	Solid brass	Solid brass
Terminal clamps	Steel, nickel plated	Steel, nickel plated	Steel, nickel plated
Terminal screws	#10-32 brass, neutral screw nickel plated	#8-32 brass, neutral screw nickel plated	#10-32 brass, neutral screw nickel plated
Ground contact	N/A	.032" thick brass, nickel plated	.032" thick brass, nickel plated
Ground screw	#10-32 brass, zinc plated (green)	#8-32 brass (green)	#10-32 brass (green)
Assembly/mounting screws	Stainless steel	Stainless steel	Stainless steel
Compression nut	Nylon	N/A	N/A
Compression nut grommet	Santoprene™	N/A	N/A
Receptacle mounting plate	N/A	Stainless steel	Stainless steel

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Certifications & compliances

Catalog no.							
Receptacles							
Single	Duplex	Plugs	Connectors				
60W47	60W47DPLX			•	•	•	•
60W49	60W49DPLX			•	•	•	•
60W33	60W33DPLX			•	•	•	•
60W48	60W48DPLX			•		•	•
14W47	15W47			•	•	•	•
14W49	15W49			•	•	•	•
14W33	15W33			•	•	•	•
14W48	15W48			•	•	•	•
65W47	65W47DPLX	24W47	25W47	•	•	•	•
65W49	65W49DPLX	24W49	25W49	•	•	•	•
65W34	65W34DPLX	24W34	25W34	•	•	•	•
L520RW		L520PW	L520CW	•	•	•	•
L620RW		L620PW	L620CW	•	•	•	•
L720RW		L720PW	L720CW	•	•	•	
L820RW		L820PW	L820CW	•	•	•	
L530RW		L530PW	L530CW	•	•	•	•
L630RW		L630PW	L630CW	•	•	•	•
L730RW		L730PW	L730CW	•	•	•	•
L830RW		L830PW	L830CW	•	•	•	•
7314RW		9965PW	7314CW	•	•	•	•
L1020RW		L1020PW	L1020CW	•	•	•	•
L1120RW		L1120PW	L1120CW	•	•	•	•
L1030RW		L1030PW	L1030CW	•	•	•	•
3333RW		3333PW	3333CW	•	•	•	•

KEY:  cULus  NAFTA  ROHS  NOM 421

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

Table 10. Color ordering information

For ordering devices, include Cat. no. followed by the color code: (Black), Y (Yellow)

BK	Y
Black	Yellow

Catalog no.							
Receptacles							
Single	Duplex	Plugs	Connectors				
L1130RW		L1130PW	L1130CW	•	•	•	•
L1420RW		L1420PW	L1420CW	•	•	•	•
L1520RW		L1520PW	L1520CW	•	•	•	•
L1620RW		L1620PW	L1620CW	•	•	•	•
L1430RW		L1430PW	L1430CW	•	•	•	•
L1530RW		L1530PW	L1530CW	•	•	•	•
L1630RW		L1630PW	L1630CW	•	•	•	•
L1730RW		L1730PW	L1730CW	•	•	•	•
7413RW		7411PW	7413CW	•		•	•
L1820RW		L1820PW	L1820CW	•	•	•	•
L1920RW		L1920PW	L1920CW	•	•	•	•
L2020RW		L2020PW	L2020CW	•	•	•	•
3433RW		3431PW	3433CW	•		•	•
L1830RW		L1830PW	L1830CW	•	•	•	•
L1930RW		L1930PW	L1930CW	•	•	•	•
L2030RW		L2030PW	L2030CW	•	•	•	•
L2120RW		L2120PW	L2120CW	•	•	•	•
L2220RW		L2220PW	L2220CW	•	•	•	•
L2320RW		L2320PW	L2320CW	•	•	•	•
L2130RW		L2130PW	L2130CW	•	•	•	•
L2230RW		L2230PW	L2230CW	•	•	•	•
L2330RW		L2330PW	L2330CW	•	•	•	•

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