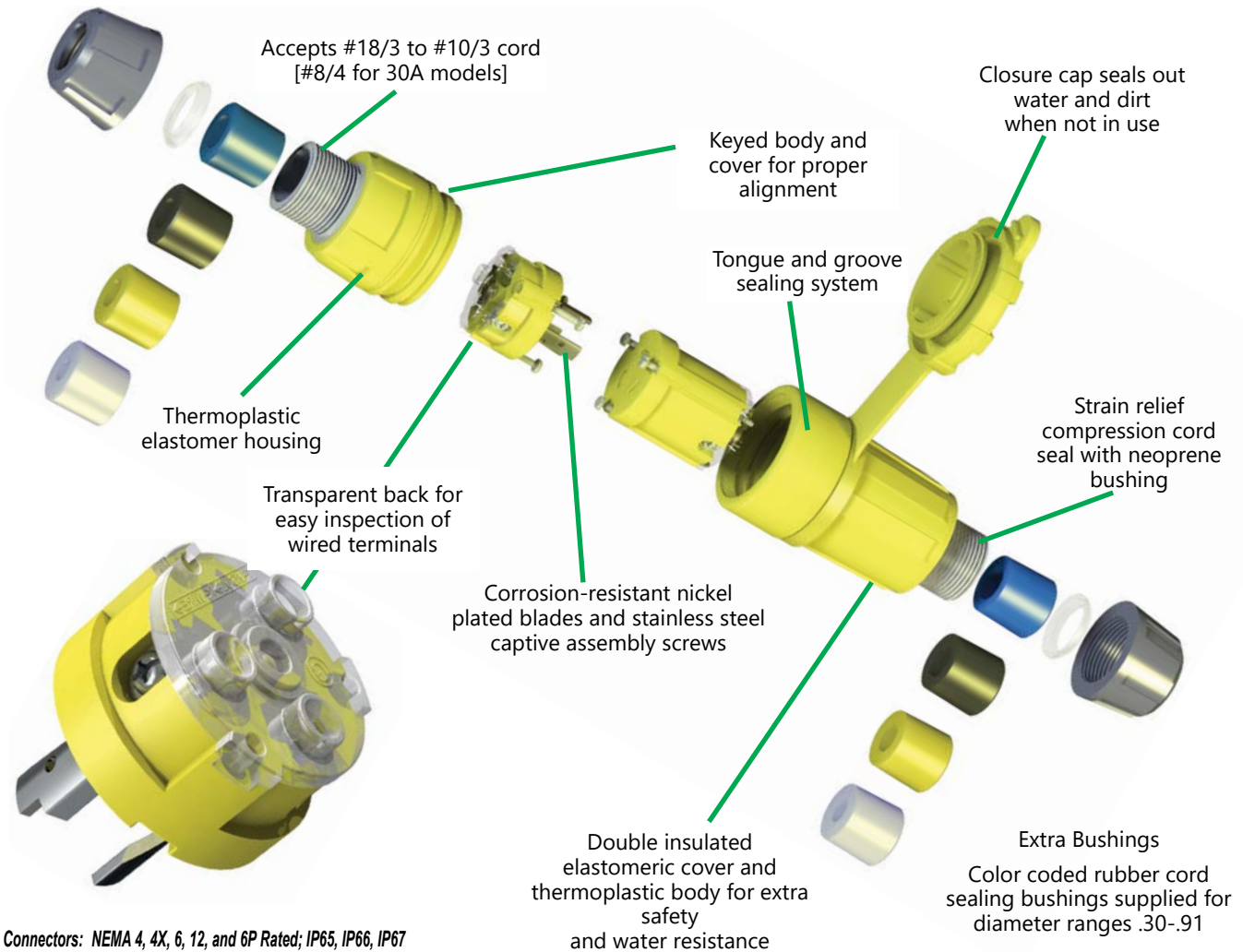
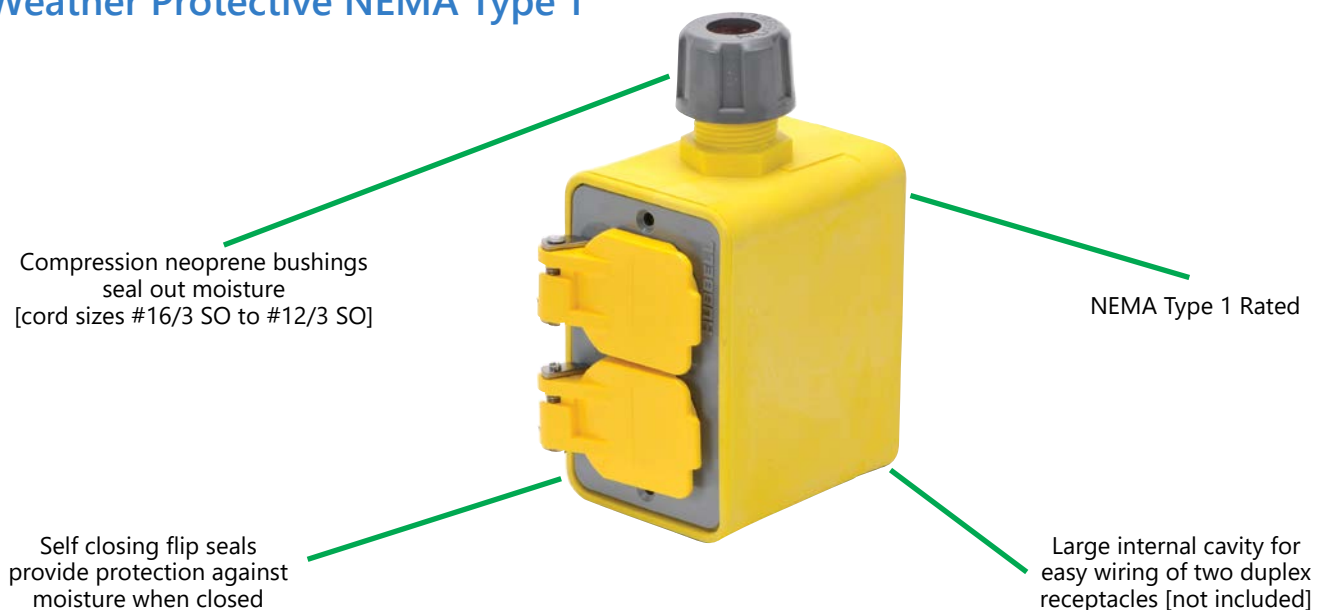


BRYANT®
TECH·SPEC®

Watertight Wiring Devices - Product Features



Weather Protective NEMA Type 1



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Watertight Wiring Devices - Plugs and Connectors

Features

- High-visibility yellow thermoplastic elastomer housing
- Rugged PBT interiors provide excellent resistance to moisture and temperature
- New cone seal prevents water from accumulating at the cable entrance
- Tongue and groove plug to connector sealing system for optimum protection
- Nickel-plated contacts and blades
- Gotcha ring for superior strain relief
- Stainless steel captive assembly screws
- Operating temperature -40 to 60°C [-40 to 140°F]
- Accepts multiple cord diameters
- Individual neoprene bushings provide watertight sealing
- 15-30 amp range up to 480VAC
- Keyed body and interior for proper alignment
- Recommended where moisture exists or frequent wash down occurs
- All exposed materials are UV stabilized
- Meets NEC requirements for "Wet & Damp Locations"
- Meets OSHA requirements


BRY15W33

Connectors: NEMA 4, 4X, 6, and 6P
Rated: IP65, IP66, IP67

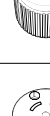
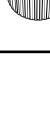

BRY14W47

Plugs: NEMA 4, 4X, 6, and 6P
Rated: IP65, IP66, IP67

Agency Approvals/ Standards

- UL File E1706 Guide AXUT
- CSA Certified #1284294
- NSF Certified
- Meets NEMA WD-1, WD-6, and ANSI standards
- Listed to UL498

Watertight Plugs and Connectors Quick Selection Table

Poles	Amperage	NEMA #	Voltage	Configuration	Device Type	Plug Part No.	Style	Price	Connector Part No.	Style	Price
2-Pole 3-Wire	15 Amps	5-15	125VAC	 	Straight Blade	BRY14W47		\$-1hbj:	BRY15W47		\$1hb9::
		L5-15	125VAC	 	Locking	BRY24W47		\$-1hbl:	BRY25W47		\$1hbb:
		L7-15	277VAC	 	Locking	BRY24W34		\$1hbn:	BRY25W34		\$1hbc:
	20 Amps	5-20	125VAC	 	Straight Blade	BRY14W33		\$1hbk:	BRY15W33		\$1hba:
		L5-20	125VAC	 	Locking	BRY26W47		\$1hbo:	BRY27W47		\$1hbd:
		L6-20	250VAC	 	Locking	BRY26W48		\$1hbp:	BRY27W48		\$1hbe:
3-Pole 4-Wire	20 Amps	L15-20	250VAC 3Ø	 	Locking	BRY26W75		\$1hbq:	BRY27W75		\$;1hbf:
		L16-20	480VAC 3Ø	 	Locking	BRY26W76		\$1hbs:	BRY27W76		\$1hbg:
	30 Amps	L15-30	250VAC 3Ø	 	Locking	BRY28W75		\$;1hbt:	BRY29W75		\$01hbh:
		L16-30	480VAC 3Ø	 	Locking	BRY28W76		\$1hbu:	BRY29W76		\$-01hbi:

BRYANT® Watertight Wiring Devices - Plugs and Connectors

Technical Specifications

Watertight Devices Technical Specifications				
Device type	15A/20A Straight Blade 15A Locking	20A Locking	20A Locking 3-Phase	30A Locking 3-Phase
Maximum working voltage	As marked			
Operating temperature	Maximum continuous 60°C [140°F], Minimum -40°C [-40°F] [without impact]			
Terminal accommodation	16/3 SJ to 10/3 SJ, 18/3 S to 12/3 S	Min.: 16/3 SJ, 18/3 S, 18/4 SJ, 18/4 S, 18/5 S Max.: 10/3 S, 10/4 S, 10/5 S		Min.: 12/3 SJ, 16/3 S, 14/4 SJ, 18/4 S, 18/5 S Max.: 8/3 S, 8/4 S, 10/5 S
Cord diameter	0.325" to 0.625" [8.3 mm to 15.9 mm]	0.30" to 0.62" [7.62 mm to 15.75 mm]	0.325" to 0.875" [8.3 mm to 22.2 mm]	0.385" to 1.05" [9.8 mm to 26.67 mm]
Torque specifications	Wire terminal screw 12-15 lb-in [1.4-1.7 N·m] Housing assembly screw 8-10 lb-in [0.9-1.13 N·m]			
Dielectric voltage	Plugs: 2500VAC if rated 300V or less, 3500VAC if rated above 300V Connectors: 2000VAC if rated 300V or less, 3000VAC if rated above 300V			

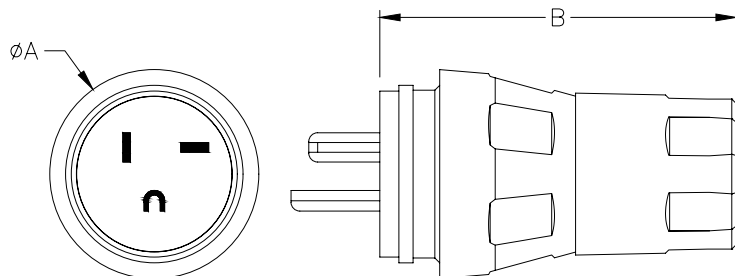
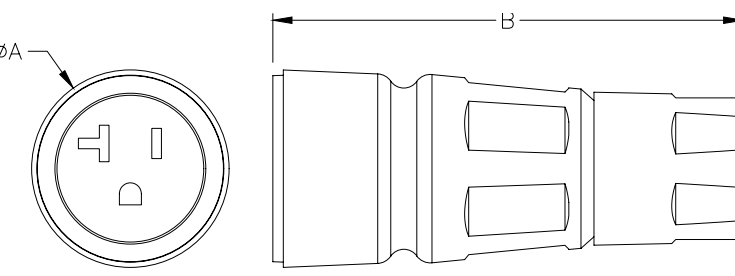
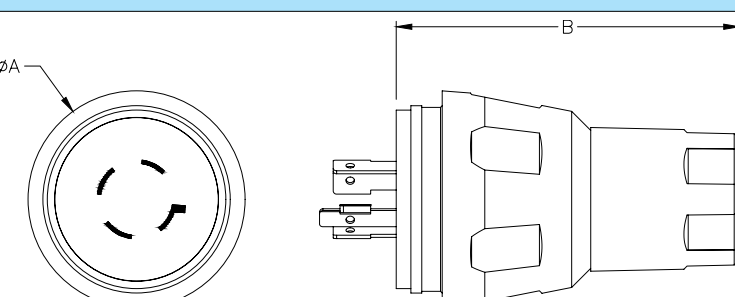
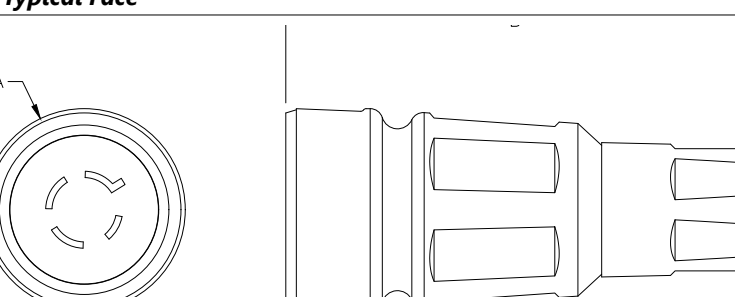
* Each plug or connector is individually tested for watertight integrity to meet the NEMA and IP ratings.

Materials	
Blade/contact carrier	Nylon, white
Terminal retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer, yellow
Housing insert	Nylon, white
Strain relief nut	PBT thermoplastic, gray
Blades/contacts	Brass, nickel plated
Terminal screws	Brass
Terminal screw size	#8-32 15A/20A Straight Blade and 15A Locking #10-32 20A and 30A Locking
Assembly screws	Stainless steel
Bushings	Thermoplastic elastomer, black
Gotcha ring	Nylon
Cone seal	Thermoplastic elastomer, black
Closure cap	Thermoplastic elastomer, yellow

Watertight Wiring Devices - Plugs and Connectors

Dimensions

Inches [mm]

Dimensions				
Straight Blade Plugs and Connectors		Part Number	Inches [mm]	
			DIM A	DIM B
 Typical Face	<u>BRY14W47</u>	1.85 [47.07]	3.16 [80.27]	
	<u>BRY14W33</u>			
	<u>BRY24W47</u>	1.85 [47.07]	3.21 [81.46]	
	<u>BRY24W34</u>			
 Typical Face	<u>BRY15W47</u>	1.85 [47.07]	4.42 [112.14]	
	<u>BRY15W33</u>			
	<u>BRY25W34</u>	1.85 [47.07]	4.62 [117.22]	
	<u>BRY25W47</u>			
Locking Plugs and Connectors		Part Number	Inches [mm]	
 Typical Face	<u>BRY26W47</u>	2.51 [63.70]	3.96 [100.69]	
	<u>BRY26W48</u>			
	<u>BRY26W75</u>			
	<u>BRY26W76</u>			
	<u>BRY28W75</u>	2.77 [70.41]	3.94 [99.98]	
	<u>BRY28W76</u>			
 Typical Face	<u>BRY27W47</u>	2.51 [63.70]	5.69 [144.55]	
	<u>BRY27W48</u>			
	<u>BRY27W75</u>			
	<u>BRY27W76</u>			
	<u>BRY29W75</u>	2.77 [70.41]	5.67 [144.00]	
	<u>BRY29W76</u>			

* Typical face only. Please reference Quick Selection Table for face configuration.



Watertight Wiring Devices - Weather Protective Accessories

**BRY3099**

Portable Outlet Boxes Features

- Non-conductive, impact resistant thermoplastic elastomer boxes reduce the exposure to potential hazards
- Automatic centering strain relief cord clamps
- NEMA Type 1, IP44
- Cord range 0.38" to 0.50" [9.7 mm to 12.7 mm]
- For use with 15A or 20A duplex receptacles [not included]
- Flip seals protect against wet environments and moisture when closed

Weather Protective Accessories		
Part Number	Description	Price
BRY3099	Bryant dead end portable outlet box, (1) 3/4in female NPT conduit entries, accepts cord size 0.38 - 0.5in, NEMA 1, PBT thermoplastic elastomer housing, yellow.	\$1hc9:
BRY3056	Bryant cover plate, UL Type 3R, lift cover, gray. For use with 15A and 20A duplex receptacles in portable outlet box BRY3099.	\$1hca:
BRY3054	Bryant cover plate, UL Type 3R, gray. For use with portable outlet box BRY3099.	\$1hcb:

**BRY3056****BRY3054**

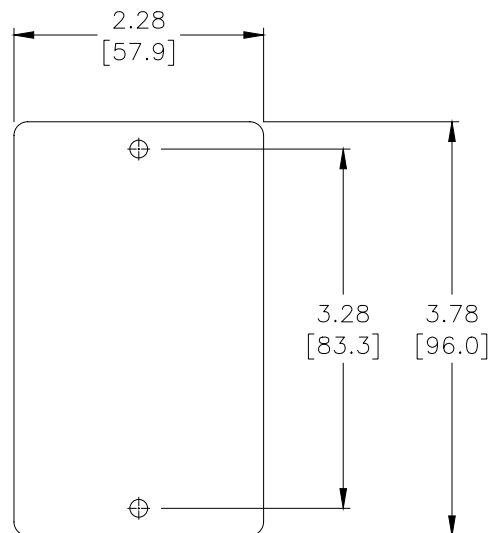
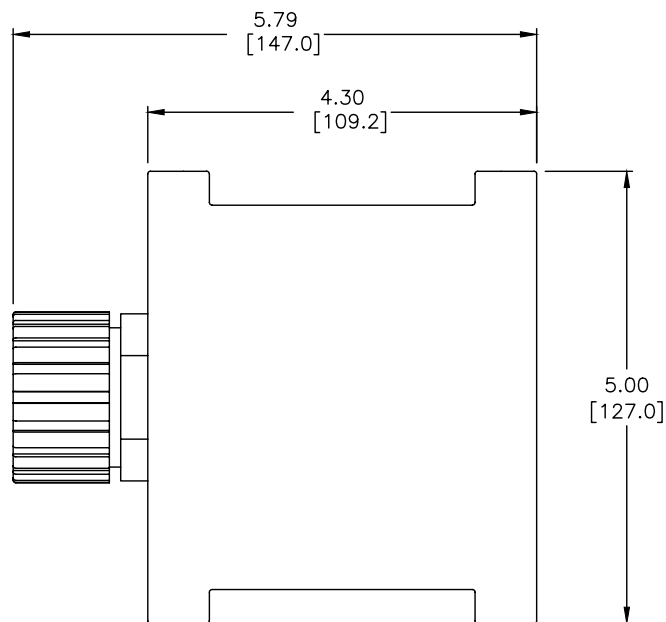
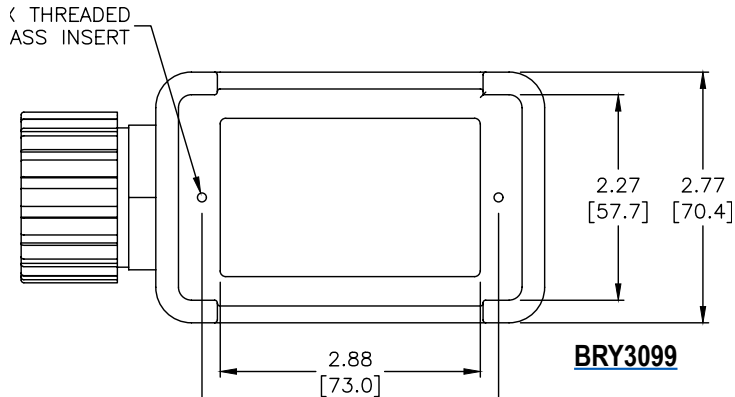
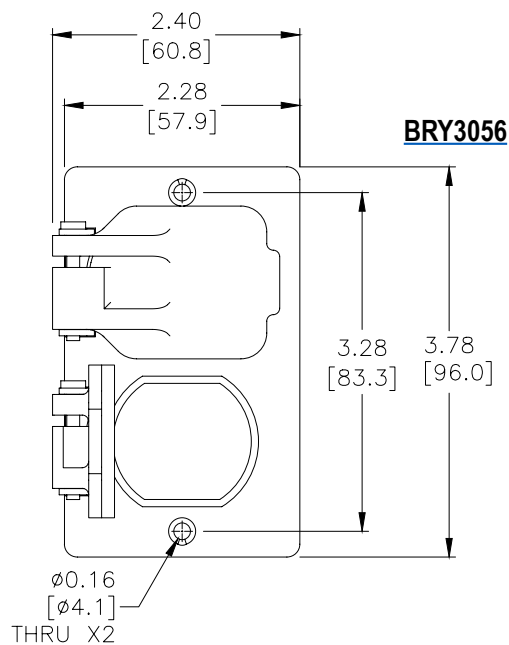
Materials	
Box enclosure	Thermoplastic elastomer, yellow
Strain relief nut	PBT
Grommet	Thermoplastic elastomer
Gotcha ring	Nylon
Locknut	Steel, zinc plate
Threaded inserts	Brass
Receptacle screw	Stainless steel
Cover plate	PBT
Cover plate seal	Neoprene
Cover plate spring	Stainless steel
Hinge pin	Stainless steel
Hinge bracket	Zinc plated steel
Rivets	Zinc plated steel

UL Cross Reference		
Part Number	UL Part Number	UL File Number
BRY3099	HBL3099	E92074
BRY3056	HBL3056	E92074
BRY3054	HBL3054	E92074

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Watertight Wiring Devices - Weather Protective Accessories

Dimensions

Inches [mm]**BRY3054****BRY3099****BRY3056**

Wiring Devices - NEMA Configuration Chart

Locking Style NEMA Configurations						
	Voltage	NEMA #	15 Ampere	20 Ampere	30 Ampere	
			Receptacle/Plug	Receptacle/Plug	Receptacle/Plug	
2-Pole 3-Wire Grounding	125V	L5	 	 	 	
	250V	L6	 	 	 	
	277V	L7	 	 	 	
	480V	L8		 	 	
	600V	L9		 	 	
3-Pole 4-Wire Grounding	125/250V	L14		 	 	
	3ø 250V	L15		 	 	
	3ø 480V	L16		 	 	
	3ø 600V	L17			 	
4-Pole 5-Wire Grounding	3øY 120/208V	L21		 	 	
	3øY 277/480V	L22		 	 	

Straight-Blade Style NEMA Configurations						
	Voltage	NEMA #	15 Ampere	20 Ampere	30 Ampere	
			Receptacle/Plug	Receptacle/Plug	Receptacle/Plug	
2-Pole 3-Wire Grounding	125V	5	 	 	 	
	250V	6	 	 	 	

Note: Please see Appendix for

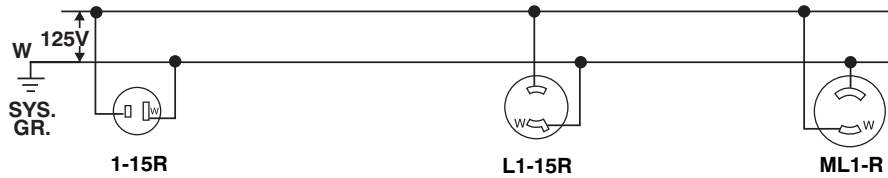
- 1.] Mechanical and electrical properties of material data
- 2.] Chemical resistance of material
- 3.] Table III Hp rating chart

Wiring Devices – NEMA Wiring Diagrams

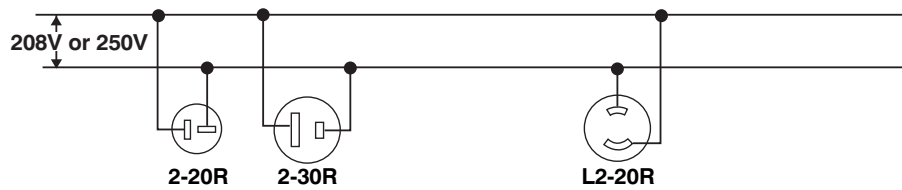
Reference material only. Please see Wiring Section in the catalog for product part number.

2-Pole 2-Wire

125V

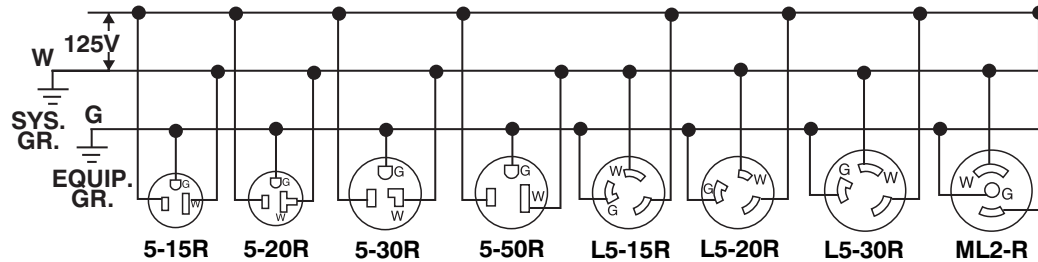


208V or 250V

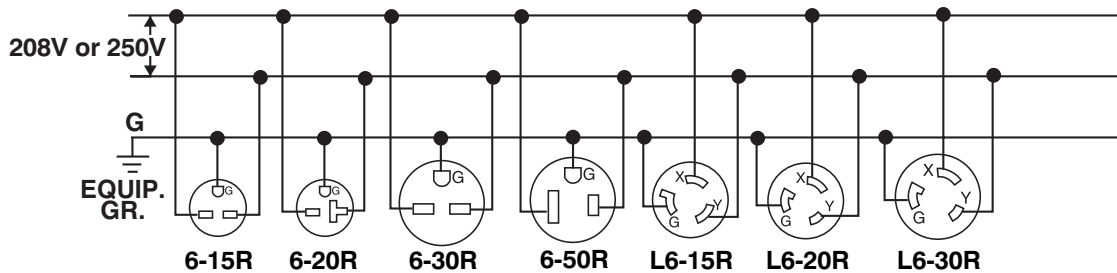


2-Pole 3-Wire Grounding

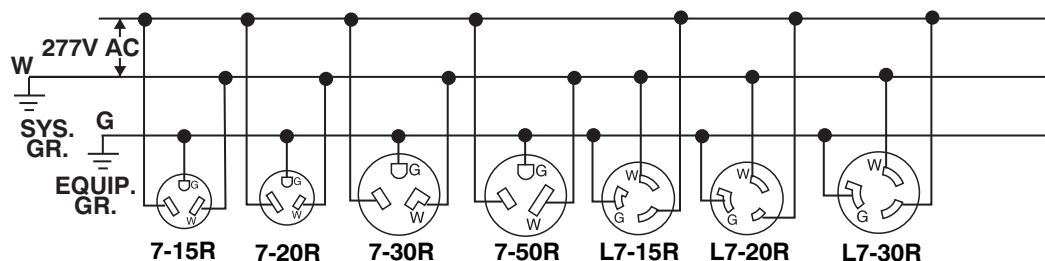
125V



208V or 250V

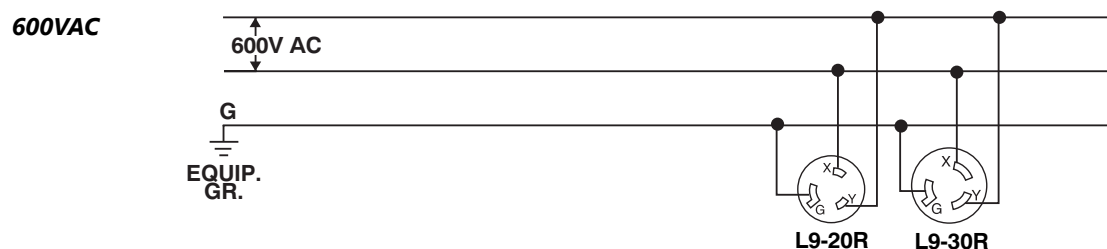
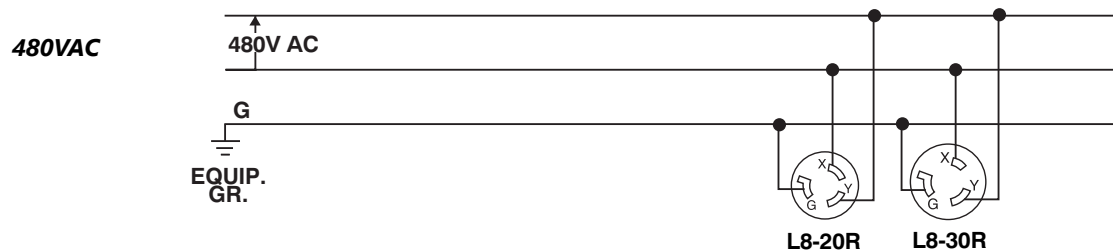


277 VAC

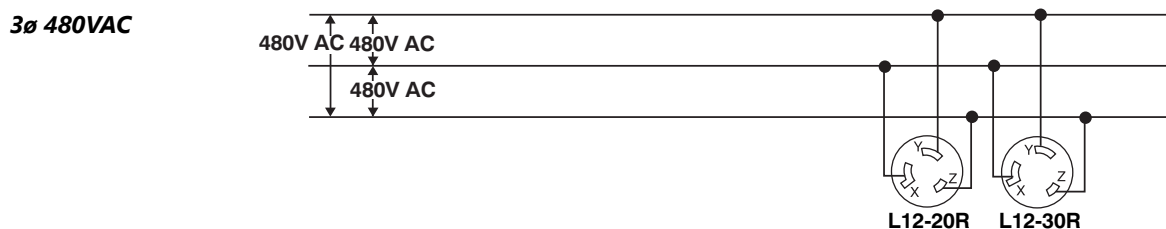
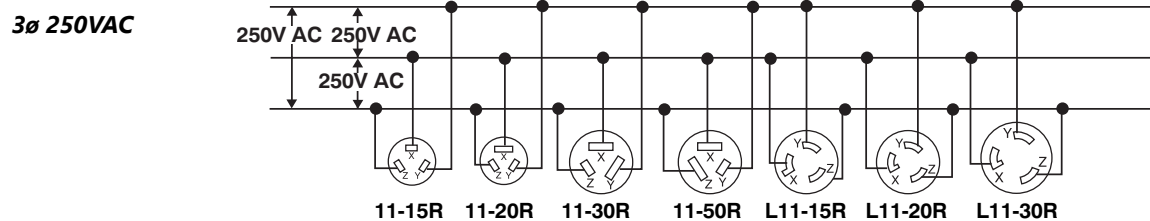
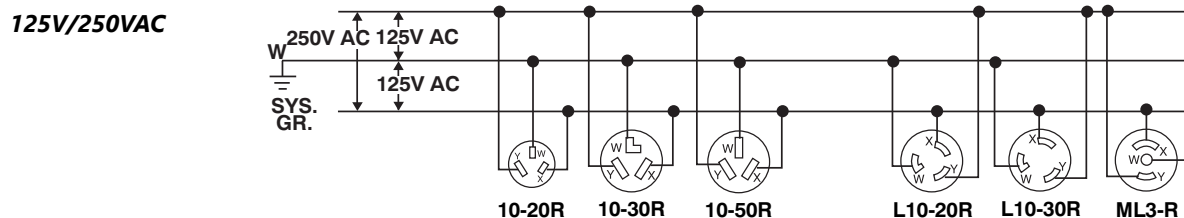


Wiring Devices – NEMA Wiring Diagrams

2-Pole 3-Wire Grounding

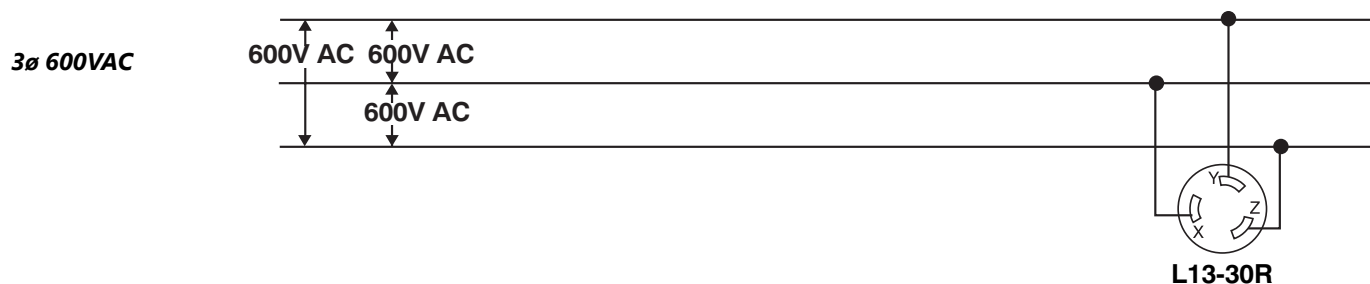


3-Pole 3-Wire

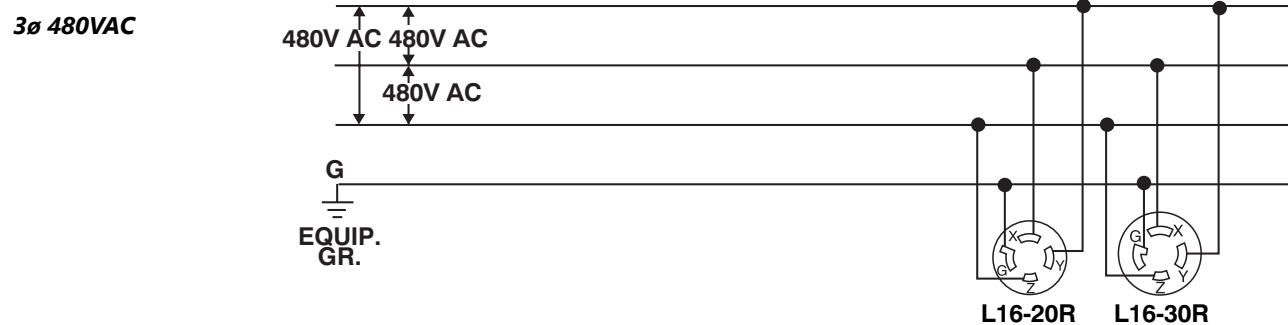
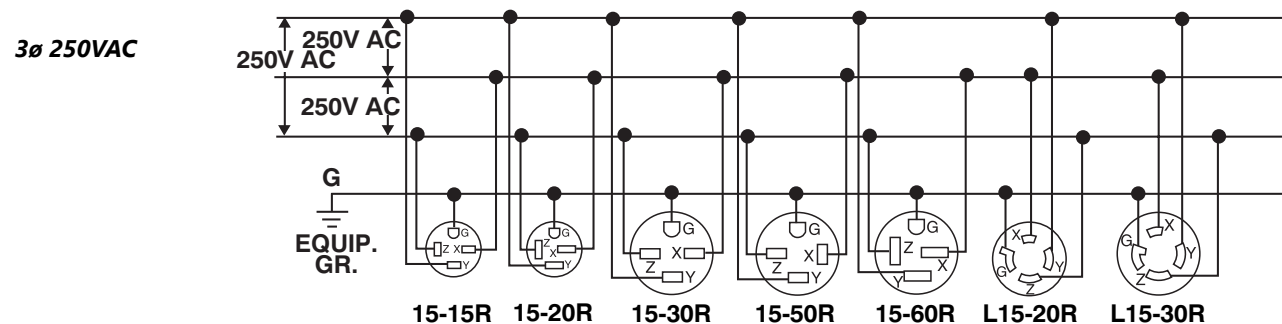
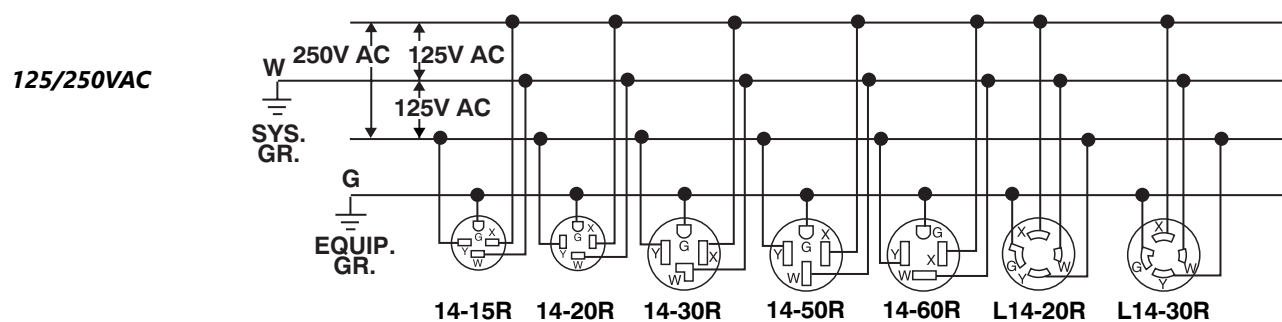


Wiring Devices – NEMA Wiring Diagrams

3-Pole 3-Wire Continued

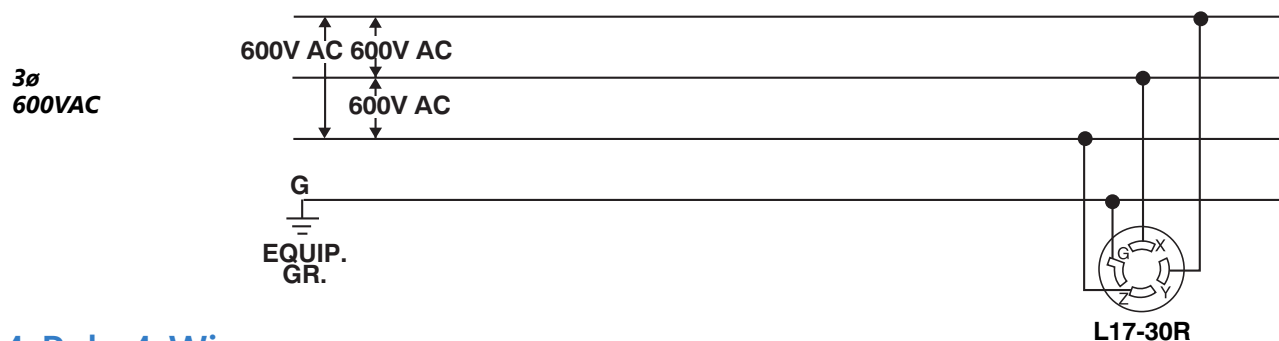


3-Pole 4-Wire Grounding

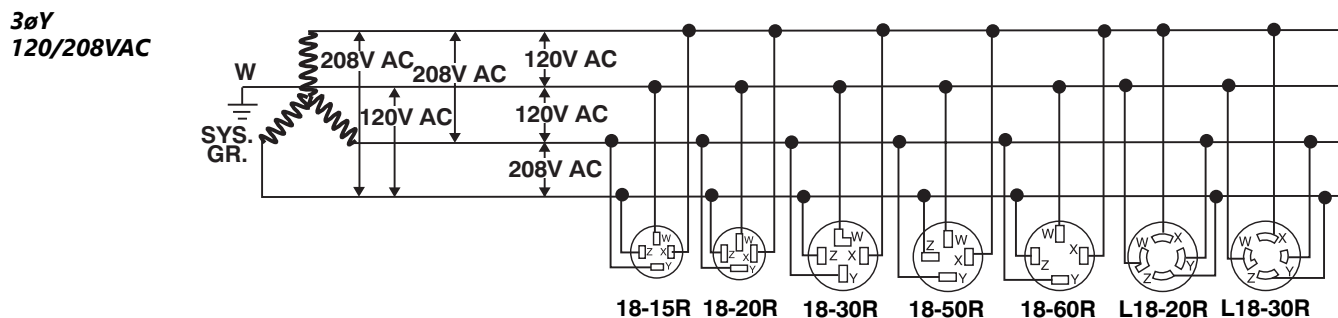


Wiring Devices – NEMA Wiring Diagrams

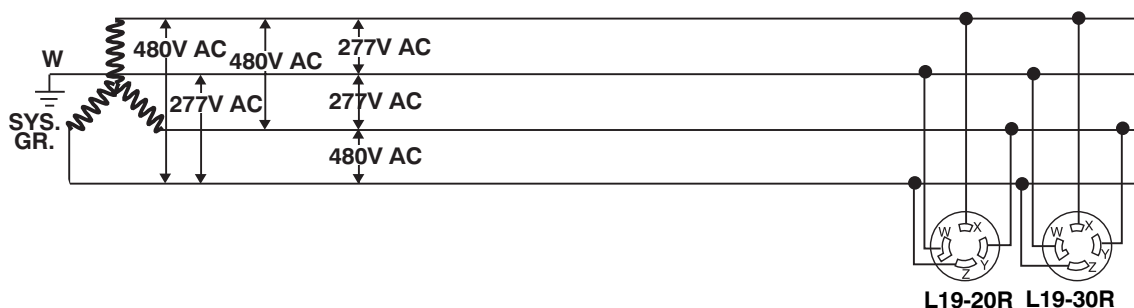
3-Pole 4-Wire Grounding Continued



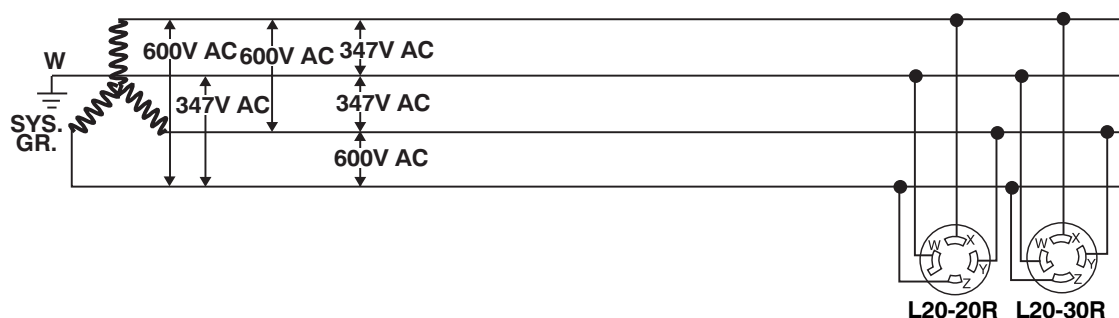
4-Pole 4-Wire



3 ϕ Y
277/480VAC



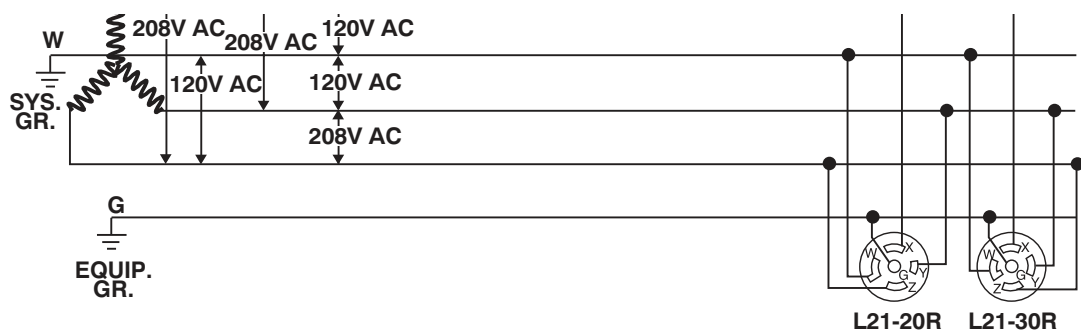
3 ϕ Y
347/600VAC



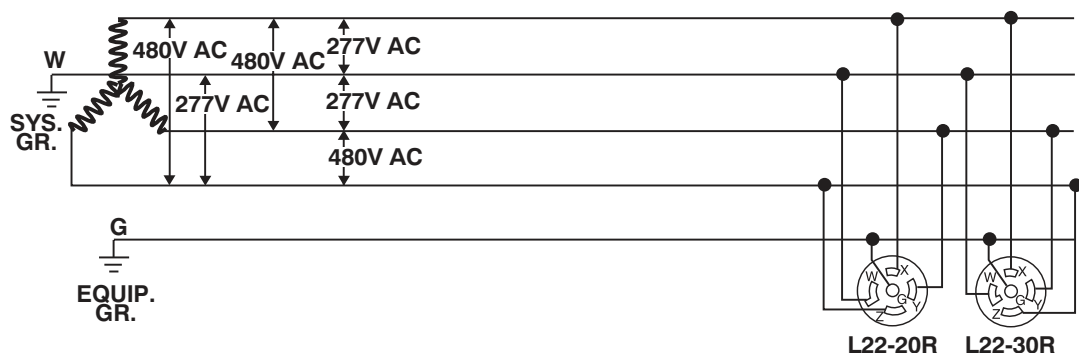
Wiring Devices – NEMA Wiring Diagrams

4-Pole 5-Wire Grounding

3 ϕ Y
120/208VAC



3 ϕ Y
277/480VAC



3 ϕ Y
347/600VAC

