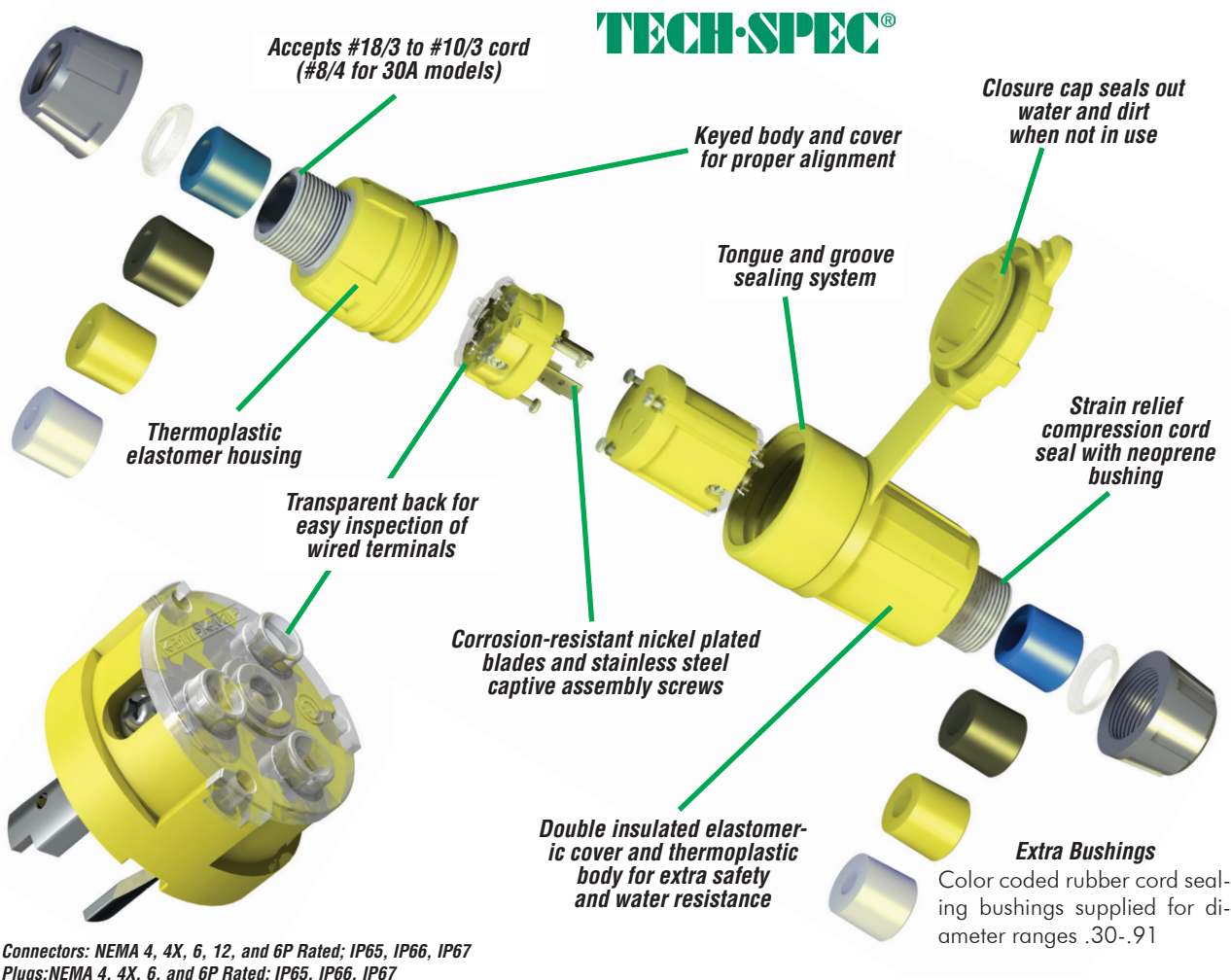


Watertight Wiring Devices - Product Features



Weather Protective NEMA Type 1

BRYANT®

Compression neoprene bushings seal out moisture (cord sizes #16/3 SO to #12/3 SO)

Self closing flip seals provide protection against moisture when closed

NEMA Type 1 Rated

Large internal cavity for easy wiring of two duplex receptacles (not included)

Watertight Wiring Devices - Plugs and Connectors

BRYANT®

Features

- High-visibility yellow thermoplastic elastomeric housing
- Rugged PBT interiors provide excellent resistance to moisture and temperature
- Tongue and groove plug to connector sealing system for optimum protection
- Nickel-plated contacts and blades
- Stainless steel captive assembly screws
- Accepts multiple cord diameters
- Operating temperature -40°C to 60°C
- Individual neoprene bushings provide watertight sealing
- 15-30 amp range up to 480 volts AC
- Keyed body and cover for proper alignment
- Recommended where moisture exists or casual submersion is possible
- Meets NEC requirements for "Wet & Damp Locations"
- Meets OSHA requirements

Agency Approvals/ Standards

- UL File E1381 Guide AXUT
- CSA Certified #701599
- Comply with NEMA standards WD-1, WD-6, AND UL498
- IP65, IP66, IP67


15W33BRY

Connectors: NEMA 4, 4X, 6, 12, and 6P Rated; IP65, IP66, IP67


14W47BRY

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

TECH·SPEC®

Watertight Plugs and Connectors Quick Selection Table

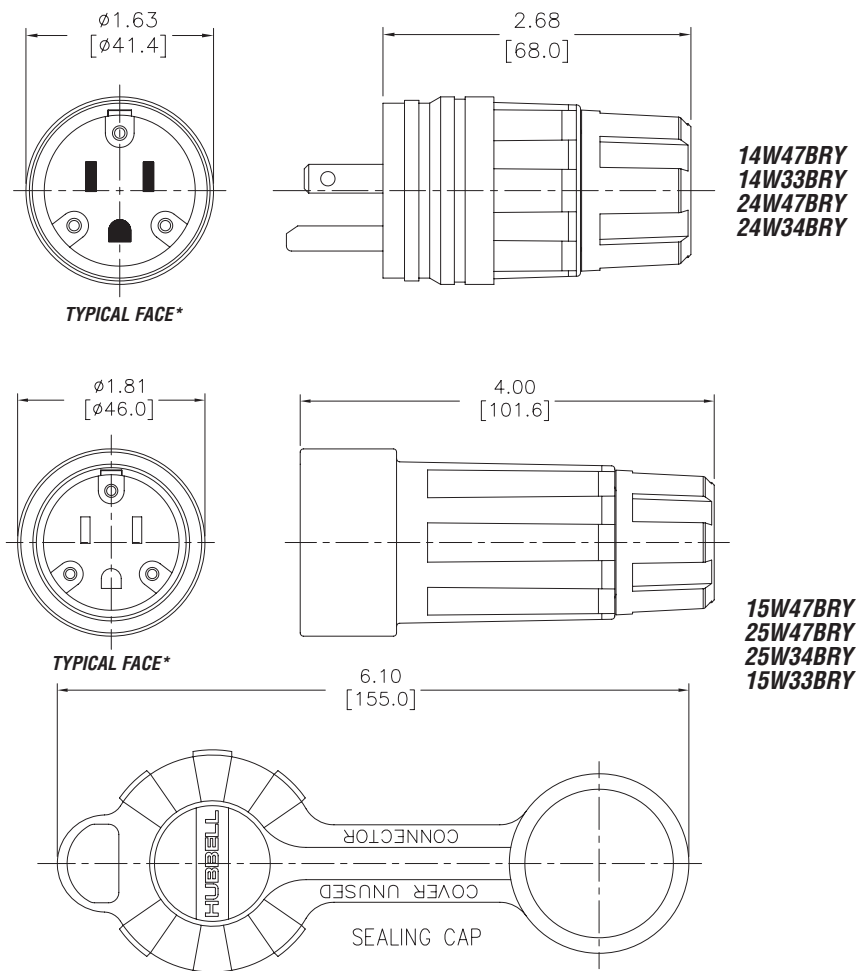
Poles	Amperage	NEMA #	Voltage	Configuration	Device Type	Plug Part No.	Style	Price	Connector Part No.	Style	Price
2-Pole 3-Wire	15 Amps	5-15	125V AC	5-15R 5-15P	Straight Blade	14W47BRY		<----->	15W47BRY		<----->
		L5-15	125V AC	L5-15R L5-15P	Locking	24W47BRY		<----->	25W47BRY		<----->
		L7-15	277V AC	L7-15R L7-15P	Locking	24W34BRY		<----->	25W34BRY		<----->
	20 Amps	5-20	125V AC	5-20R 5-20P	Straight Blade	14W33BRY		<----->	15W33BRY		<----->
		L5-20	125V AC	L5-20R L5-20P	Locking	26W47BRY		<----->	27W47BRY		<----->
		L6-20	250V AC	L6-20R L6-20P	Locking	26W48BRY		<----->	27W48BRY		<----->
	30 Amps	L15-20	250V AC 3Ø	L15-20R L15-20P	Locking	26W75BRY		<----->	27W75BRY		<----->
		L16-20	480V AC 3Ø	L16-20R L16-20P	Locking	26W76BRY		<----->	27W76BRY		<----->
		L15-30	250V AC 3Ø	L15-30R L15-30P	Locking	28W75BRY		<----->	29W75BRY		<----->
		L16-30	480V AC 3Ø	L16-30R L16-30P	Locking	28W76BRY		<----->	29W76BRY		<----->

Watertight Plugs and Connectors - Technical Specifications/Dimensions

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	Type S, SO, ST, SJ, SJO, SJT 18/3 to 12/3	12/3 SJ, 14/3 S to 10/3 S	14/4 S to 10/4 S	12/4 S to 8/4 S, 6/4 MSHA
Cord diameter	0.300" to 0.625" (7.6 mm to 15.9 mm)	0.475" to 0.720" (12.1 mm to 19.2 mm)	0.560" to 0.775" (14.2 mm to 19.9 mm)	0.640" to 0.930" (16.3 mm to 23.6 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			
Environmental Plugs and Connectors*	Moisture Resistance - NEMA 4, 4x, 12, 6, 6P; IP65, IP66, IP67			

* Each plug or connector is individually tested for watertight integrity to meet the NEMA and IP ratings. Bryant can only claim NEMA and IP ratings when mated to other Bryant and Hubbell devices. This would be true for any manufacturer.

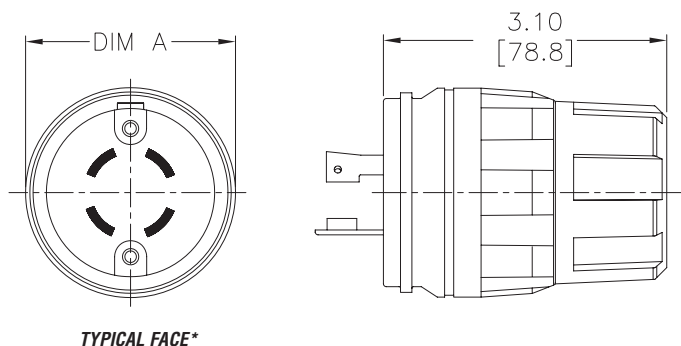
Dimensions in inches [mm]



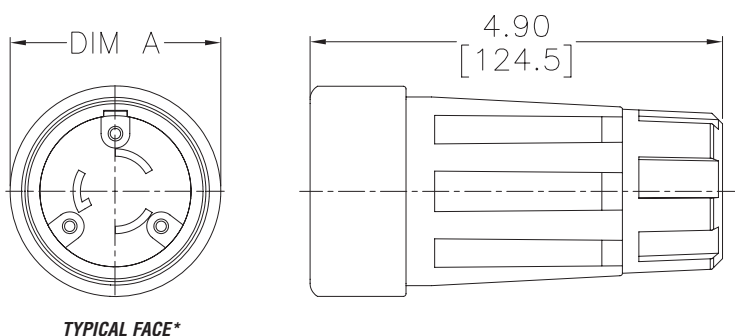
* Typical face only. Please reference Quick Selection Table for face configuration.

Watertight Plugs and Connectors - Dimensions (continued)

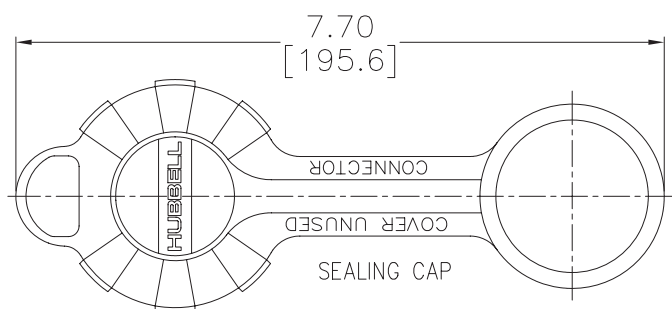
Dimensions in inches [mm]



Weather Protective Plugs	
Part Number	DIM A Inches [mm]
26W47BRY	2.30 [58.4]
26W48BRY	
26W75BRY	
26W76BRY	2.50 [63.5]
28W75BRY	
28W76BRY	



Weather Protective Connectors	
Part Number	DIM A Inches [mm]
27W47BRY	2.50 [63.5]
27W48BRY	
27W75BRY	
27W76BRY	2.80 [71.1]
29W75BRY	
29W76BRY	



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

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Material Specifications

Watertight Wiring Devices Materials	
<i>Plugs/Connectors</i>	
<i>Part Description</i>	<i>Materials</i>
Blade/contact carrier	PBT thermoplastic, yellow
Terminal retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer, yellow
Housing insert	Polypropylene, natural
Strain relief nut	PBT thermoplastic, gray
Grommet	Thermoplastic elastomer, various colors
Ferrule	Polypropylene, natural
Blades/contacts	Brass, nickel
Terminal screws	Steel, chromate
Terminal screw size	#8-32
Body holding screws	Stainless steel
Drive screws	Steel, chromate
<i>Portable Outlet Box and Accessories</i>	
Box enclosure	Thermoplastic elastomer, yellow
Strain relief nut	PBT thermoplastic, gray
Grommet	Thermoplastic elastomer, various colors
Ferrule	Polypropylene, natural
Strain relief insert	Nylon, yellow
Locknut	Steel, zinc plate
Threaded inserts	Polypropylene, natural
Strain relief wire	Brass
Duplex receptacle screw	Stainless steel
Cover plate screws	Steel, black oxide
Cover plate	Nylon, gray
Flip cover	PBT Thermoplastic, yellow
Flip cover seal	Foam rubber, black
Cover plate spring	Stainless steel
Hinge pin	Aluminum
Hinge bracket	Stainless steel
Rivets	Brass

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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		 	 	
	3 ϕ 250V	L15		 	 	
	3 ϕ 480V	L16		 	 	
	3 ϕ 600V	L17			 	
4-Pole 5-Wire Grounding	3 ϕ Y 120/208V	L21		 	 	
	3 ϕ Y 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

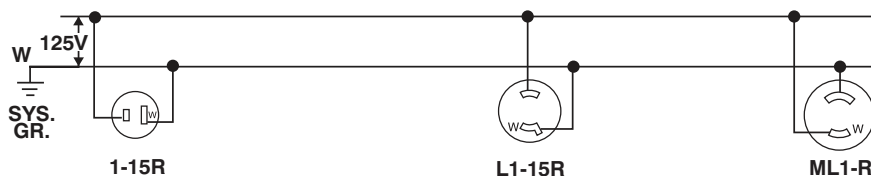
3.) Table III Hp rating chart

Wiring Devices – NEMA Wiring Diagrams

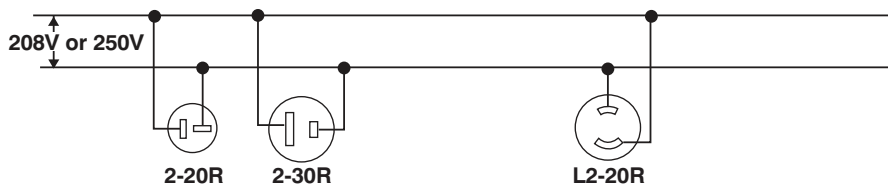
Reference material only. Please see Wiring Section in the catalog for product part number.

2-Pole 2-Wire

125V

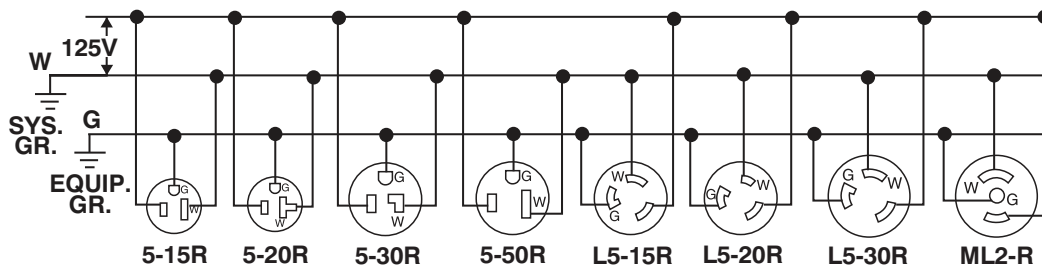


208V or 250V

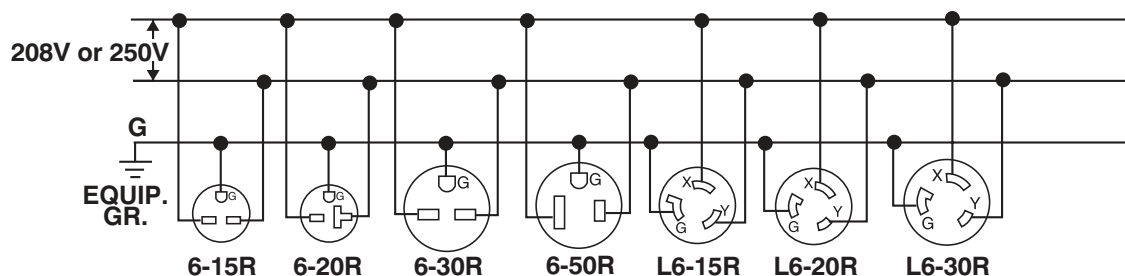


2-Pole 3-Wire Grounding

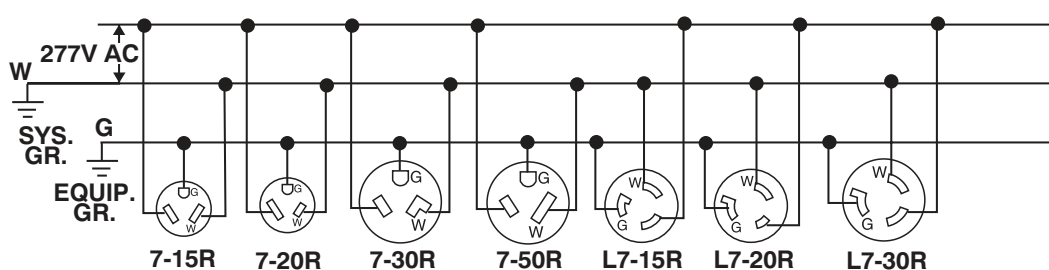
125V



208V or 250V



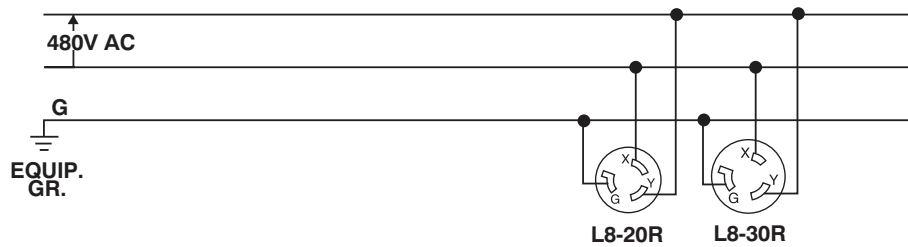
277V AC



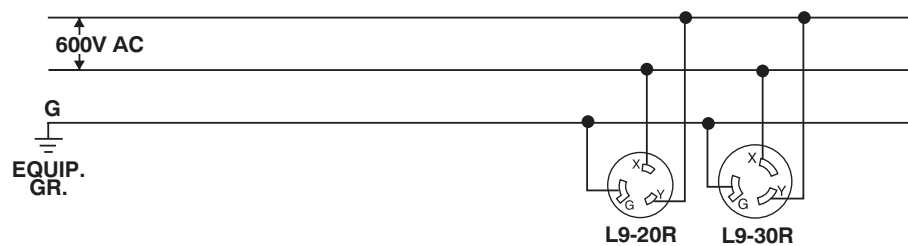
Wiring Devices – NEMA Wiring Diagrams

2-Pole 3-Wire Grounding

480V AC

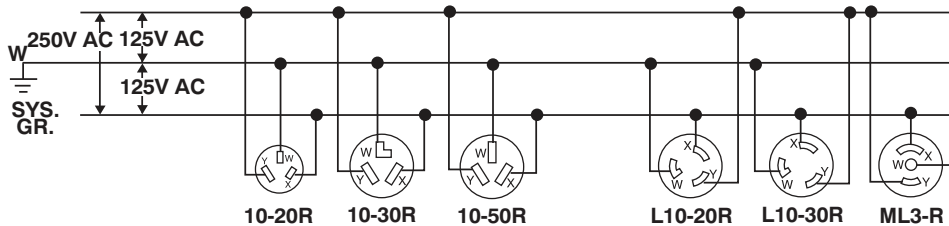


600V AC

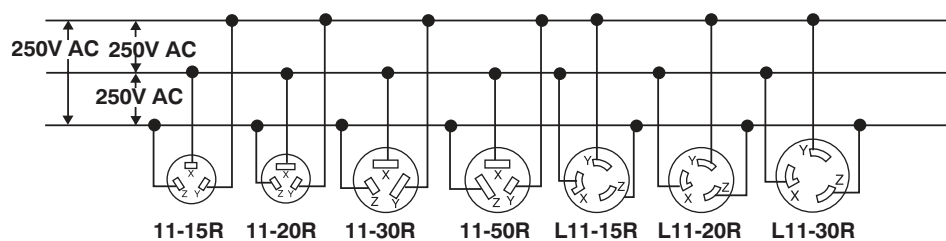


3-Pole 3-Wire

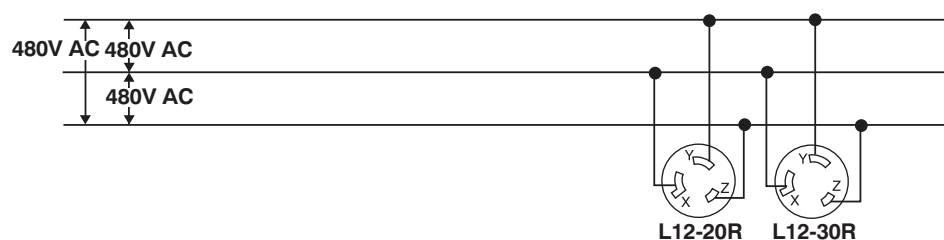
125V/250V AC



3 ϕ 250V AC



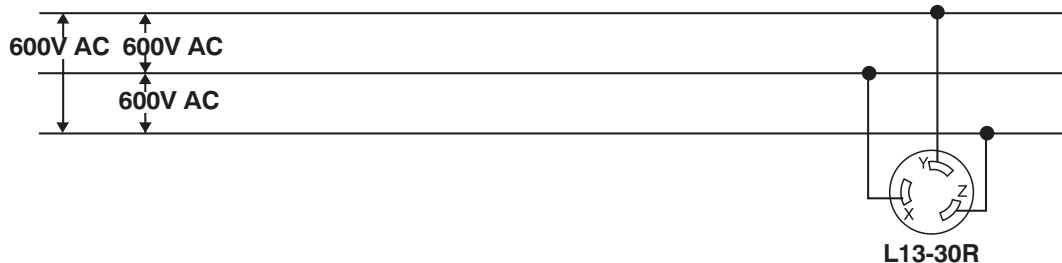
3 ϕ 480V AC



Wiring Devices – NEMA Wiring Diagrams

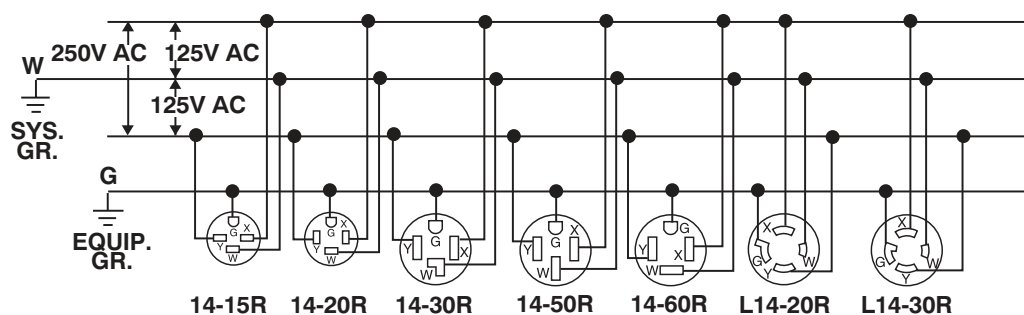
3-Pole 3-Wire Continued

3Ø 600V AC

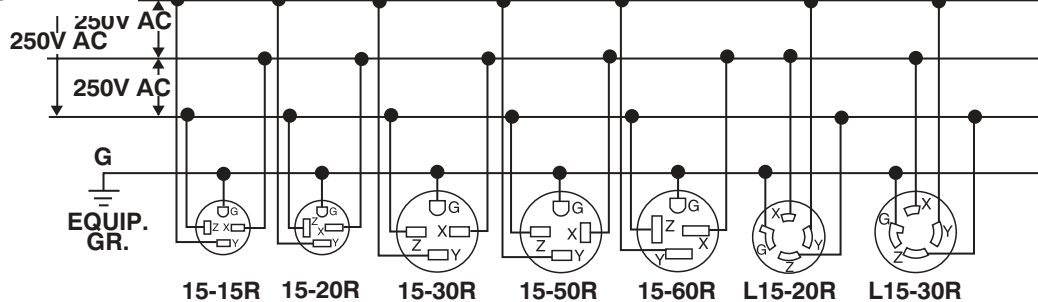


3-Pole 4-Wire Grounding

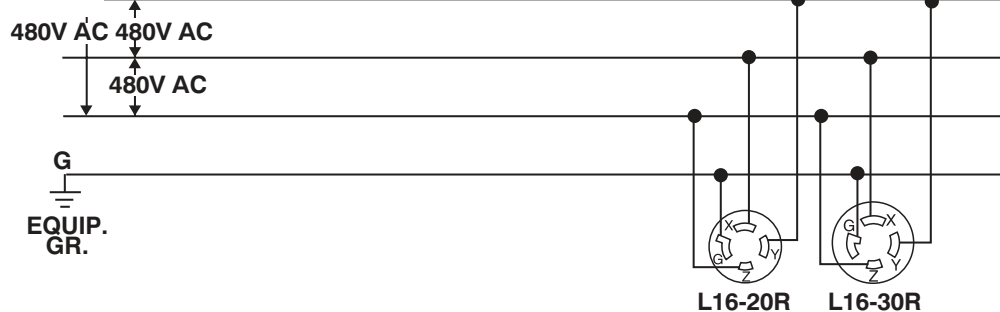
125/250V AC



3Ø 250V AC



3Ø 480V AC



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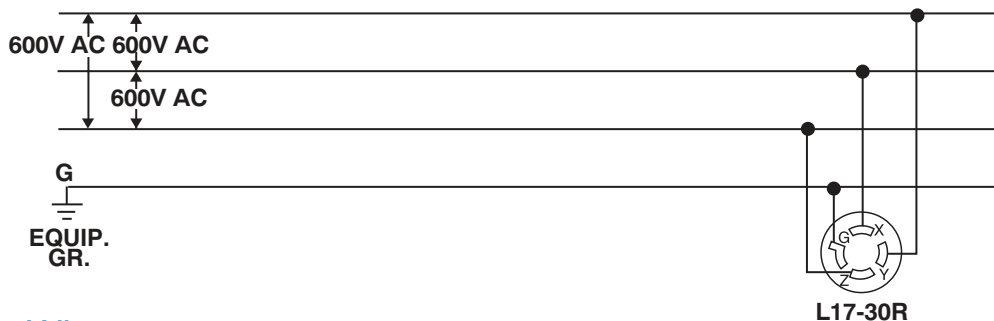
Safety: Protective
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Wiring Devices – NEMA Wiring Diagrams

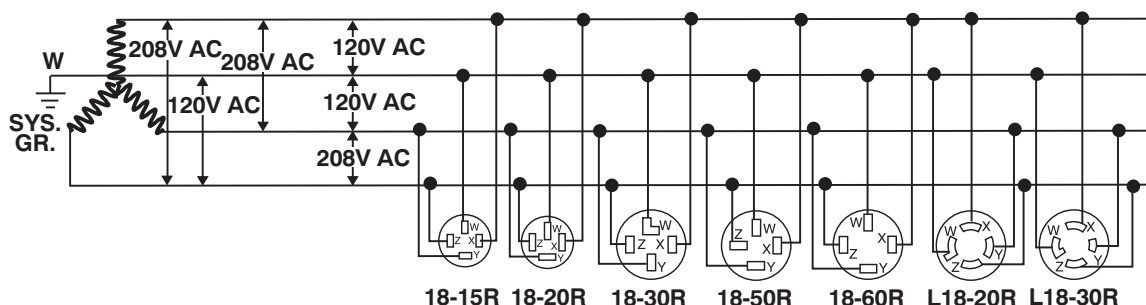
3-Pole 4-Wire Grounding Continued

3 ϕ 600V AC

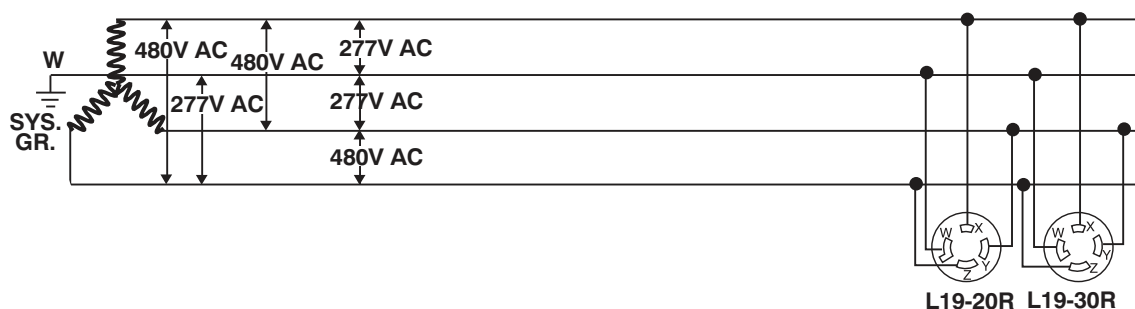


4-Pole 4-Wire

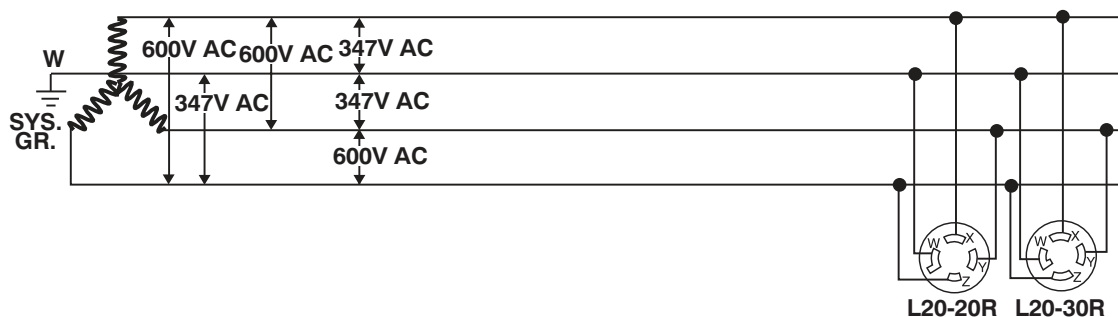
3 ϕ Y 120/208V AC



3 ϕ Y 277/480V AC



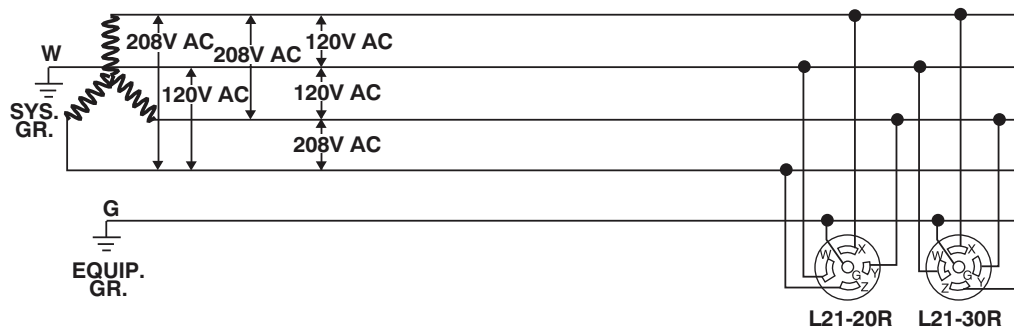
3 ϕ Y 347/600V AC



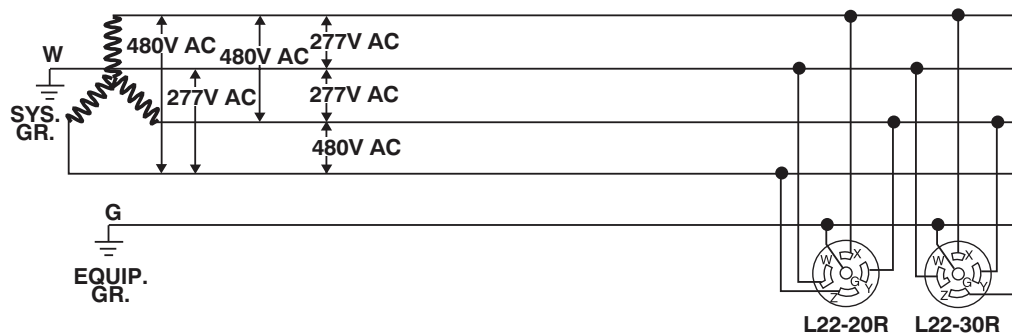
Wiring Devices – NEMA Wiring Diagrams

4-Pole 5-Wire Grounding

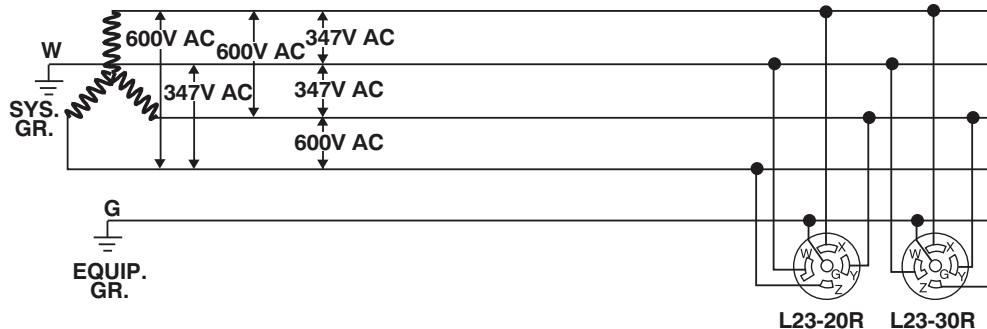
3 ϕ Y 120/208V AC



3 ϕ Y 277/480V AC



3 ϕ Y 347/600V AC

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